Advanced Manual

OLYMPUS®

CAMEDIA

DIGITAL CAMERA

D-590 ZOOM
C-470 ZOOM
X-500

1 Taking Pictures

2 Viewing

3 Setting Up

4 Printing Pictures

5 Connecting Computer

6 Appendix

How to use this manual

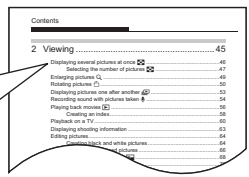
This manual contains a table of contents, an index and menus to enable you to easily find the topic that you want to use or learn out more about.

Using the table of contents ☞P. 5

All the titles in the manual are listed here, grouped into chapters. The chapters are composed of the shooting, playback, printing, etc. based on their purposes.

For example...

when you want to view pictures that you have taken as an index
Go to Chapter 2 Viewing for the page titled "Displaying several pictures at once ....P. 46."

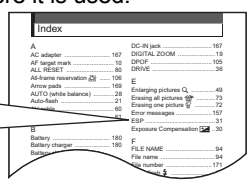


Using the index ☞P. 181

The index lists the camera's functions, parts and terms used in this manual in alphabetical order. When you come across a word in the manual that you do not understand or when you want to find a certain term, use the index to find the page(s) where it is used.

For example...

when you want to know more about ESP metering
Go to the index at the end of the manual and look under E for "ESP ....31."

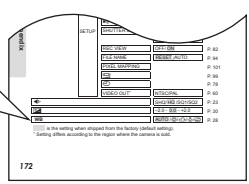


Using the menu list ☞P. 172

The camera's menus are laid out in the form of a tree diagram according to tab and show the setting options for each available function. First find the menu you are looking for, then look for the reference page number for each function.

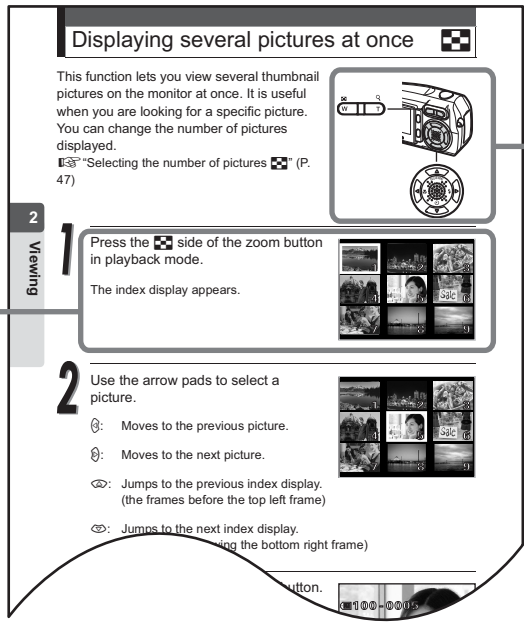
For example...

when you want to find out which setting to choose for WB
Go through the menus until you find WB and look for the reference page number.



How to read the instructions

A sample page is shown below to explain how to read the instructions in this manual. Look at it carefully before taking or viewing pictures.



Procedure and the corresponding monitor display are shown.

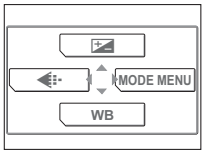
●Indications used in this manual

Caution	Important information on factors which may lead to a malfunction or operational problems. Also warns of operations that should be absolutely avoided.
Tips	Useful information and hints that will help you get the most out of your camera.
☞	Reference pages describing details or associated information.

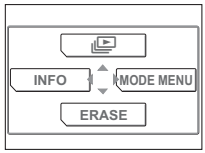
This sample page is only for your reference. It may differ from the actual page in this manual.

Menu operations

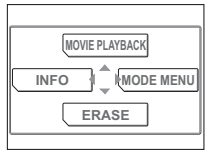
The screen that appears on the monitor when you turn the camera on and press the OK/MENU button is called the “Top menu.” There are three top menus as shown below.



Shooting mode

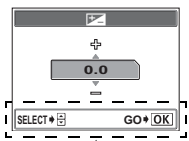


Playback mode (still picture)



Playback mode (movie)

- The shooting mode screens will be used here to explain how to use the menus.



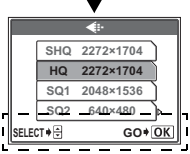
Operational buttons (arrow pads and OK/MENU button)

Press

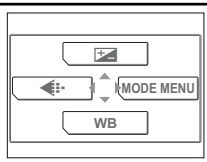
Exposure compensation

Image quality mode

Press

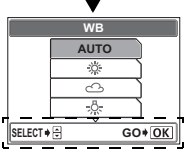


Operational buttons (arrow pads and OK/MENU button)



White Balance

Press

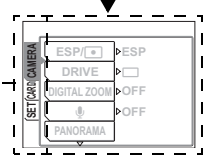


Operational buttons (arrow pads and OK/MENU button)

MODE MENU

Press

Tab



Function

Use the arrow pads to select a tab and a mode.

Tips

- See ☞P. 172 for the Menu List.
- To cancel the menu display, press the OK/MENU button again.
- The arrow mark (▽ or △) at the bottom or top of the menu indicates that there are more options available.

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1 Taking Pictures

This chapter describes how to take successive pictures, movies and how to use the flash, zoom, etc.

To change the shooting settings, refer to “3: Setting Up.”

Focusing on a subject that is not in center of frame (Focus lock)

When the subject you want to focus on is not exactly in the center of the monitor and you cannot position the AF target mark on it, you can focus on another point at roughly the same distance (focus lock) and take the picture as explained below. This is called “focus lock.”

1

In shooting mode, position the AF target mark on the subject you want to focus on.

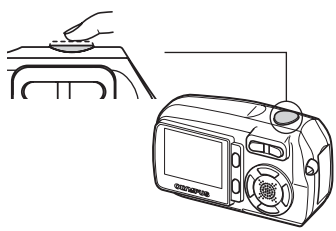
AF target mark

Tips

- When shooting a hard-to-focus subject, point the camera at an object about the same distance away as the subject.

2

Press the shutter button halfway.



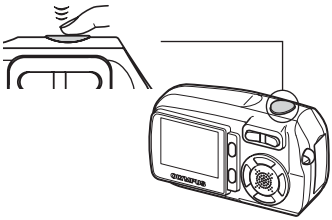
Tips

- When the green lamp lights steadily, the focus, exposure and white balance are locked.
- When the green lamp blinks:
  ① You are too close to the subject. Take the picture at least 50 cm/1.6 ft. away from the subject. When the distance from the camera to the subject is less than 50 cm/1.6 ft, select the macro mode. ☞“Taking close-up pictures ” (P. 33)
  ② Focus is not locked so release your finger from the shutter button, re-position your subject and press the shutter button halfway again.

3

Recompose your shot while keeping the shutter button pressed halfway.

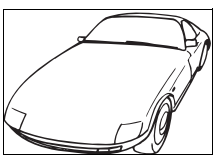
4 Press the shutter button completely down to take the picture.



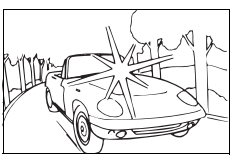
Subjects that are difficult to focus on

The purpose of the camera's auto focus feature is to bring the subject into focus automatically, but under certain conditions, the auto focus may not function effectively. If this happens, focus on an object with high contrast at the same distance as the intended subject (focus lock), recompose your shot and then take the picture.

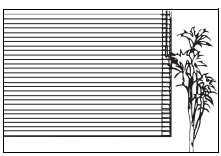
For details of the focus lock procedure, refer to ☞ P. 10.



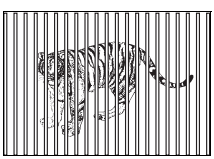
Subject with low contrast



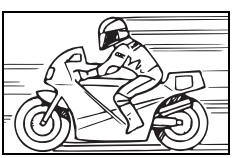
Subject with an extremely bright area in the center of the frame



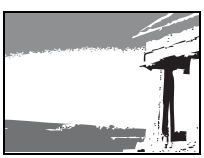
Subject without vertical lines (See "Tips" below)



Subjects at different distances



Fast-moving subject



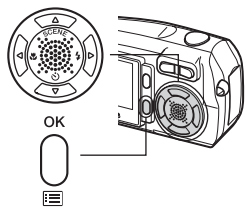
Subject is not in center of monitor

Tips

- If the subject has no vertical lines, hold the camera vertically and focus on the subject using the focus lock function by pressing the shutter button halfway, then return the camera to the horizontal position while keeping the shutter button pressed halfway and take the picture.

Changing shooting scene modes **SCENE**

There are 10 shooting scene modes to choose from on this camera. To create the effects you want, simply select the mode best suited to your purpose or shooting condition.



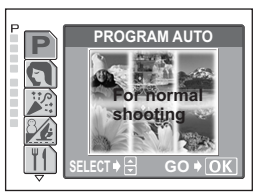
Tips

- Until you become familiar with the camera, it is recommended that [PROGRAM AUTO] be used to take pictures.

1

Press ⌓ (**SCENE**) in shooting mode.

The scene selection palette for selecting the shooting scene mode is displayed at left of the monitor.



2

Press ⌓ or ⌓ to select a shooting scene mode, and press the OK/MENU button.

The selected shooting scene mode is set.

Shooting scene modes

● PROGRAM AUTO P

All you need to do is press the shutter button. The camera automatically selects the optimal settings.

● PORTRAIT

Suitable for taking a full-frame portrait shot of a person. Ideal for capturing accurate skin tones.

● INDOOR

Suitable for taking pictures of the subject indoors together with background scene.

Tips

- Picture quality mode can only be set to SQ2 “1280 × 960”, “1024 × 768” and “640 × 480”.

● BEACH & SNOW

Suitable for taking pictures at a beach or in snow. Lets you take beautiful pictures of scenery with white sand or snow.

● **CUISINE**

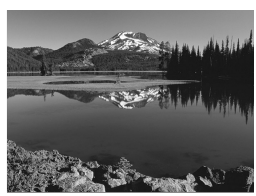
Lets you take beautiful pictures of food. The saturation, sharpness and contrast settings are increased to take sharp, vivid pictures of the subject.

● **LANDSCAPE + PORTRAIT**

Suitable for taking pictures of both your subject and the landscape.

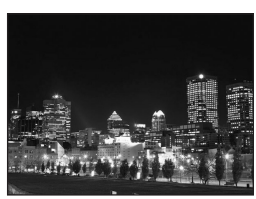
● **LANDSCAPE**

Lets you take clear and sharp pictures of distant scenery. Creates a very broad depth of field to keep the entire view in focus.



● **NIGHT SCENE**

Suitable for taking pictures of night views such as illuminated buildings.



Tips

- Slower shutter speeds are used when (NIGHT SCENE) mode is set. The use of a tripod is recommended to prevent your pictures from being blurred by camera movement when the shutter speed is slow.

● SELF PORTRAIT

Enables you to take a picture of yourself while holding the camera.

Tips

- The zoom function is locked at the W position and cannot be changed while in self portrait mode.
- Spot metering is not available in this mode.

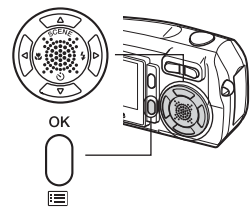
● MOVIE

Enables you to record movies.

☞"Recording movies" (P. 16)

Recording movies

You can record movies as well as still pictures with this camera.
The sound is automatically recorded when recording a movie.



1

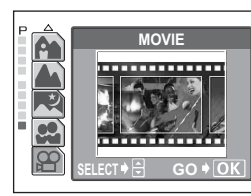
Press ◁ (**SCENE**) in shooting mode.

The scene selection palette for selecting the shooting scene mode is displayed at left of the monitor.

2

Press ◁ or ▽ to select [MOVIE] (🎞), and press the OK/MENU button.

The Movie mode is set.



3

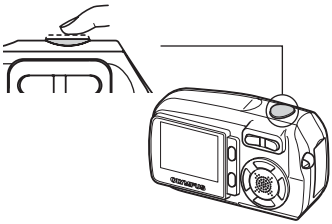
Position the AF target mark on the subject while looking at the picture on the monitor.

Tips

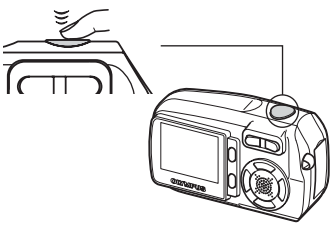
- During movie recording, the remaining recording time is displayed on the monitor.

4 Press the shutter button halfway and hold.

The focus and white balance are locked and the green lamp lights steadily.



5 Press the shutter button the rest of the way and release it to start recording.



Tips

- While a movie is taken, indicator lights red.

6 Press the shutter button again to stop recording.

Tips

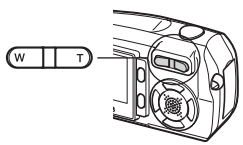
- When the remaining recording time has been used up, recording stops automatically.
- To view the movie you have just taken, see ☞"Playing back movies ▶" (P. 56).
- You cannot use the optical zoom during movie recording. If you intend to use the zoom during movie recording, set [DIGITAL ZOOM] to [ON]. ☞"Using zoom systems" (P. 18)

Using zoom systems

This camera has two zoom systems, one is a normal optical zoom system and the other is a digital zoom system.
Using the zoom systems, you can change the scope and composition of the picture you are taking.

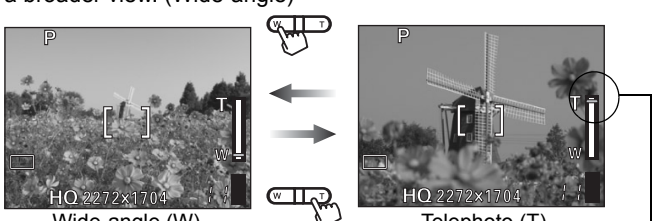
Optical zoom	up to 3×
Optical zoom + digital zoom	up to 12×

Using the optical zoom



1 Press the zoom button in shooting mode.

Press and hold the T side of the zoom button to zoom in on a distant object. (Telephoto)
Press and hold the W side of the zoom button to zoom out and obtain a broader view. (Wide-angle)



Wide-angle (W) Telephoto (T)

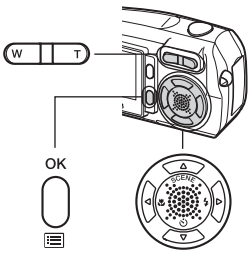
The zoom bar goes up or down.

● Shooting distance and shooting range

Zoom position	Shooting distance	Shooting range (W × H) (minimum shooting distance)
Macro mode (W)	20 cm (0.7 ft.) to ∞	207 × 154 mm (20cm (0.7ft.))
Macro mode (T)	20 cm (0.7 ft.) to ∞	70 × 53 mm (20cm (0.7ft.))
Normal shooting (W)	50 cm (1.6 ft.) to ∞	502 × 373 mm (50cm (1.6ft.))
Normal shooting (T)	50 cm (1.6 ft.) to ∞	170 × 127 mm (50cm (1.6ft.))

Enabling digital zoom

The optical zoom is operated simply by pressing the zoom button, but to use the digital zoom, [DIGITAL ZOOM] must be set to [ON] on the monitor.



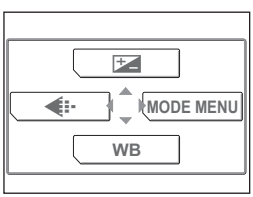
Tips

- The optical zoom magnifies the subject by extending the lens. The digital zoom, on the other hand, enlarges the picture by digitizing the image captured by the camera. The area in the center of the image is cropped and magnified on the monitor. Pictures taken in the center of the image is cropped and magnified on the monitor. Pictures taken with the digital zoom may appear grainy as a result.

1 Press the OK/MENU button in shooting mode.

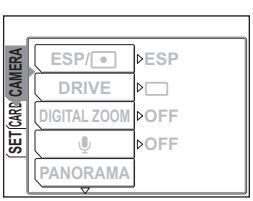
The top menu is displayed.

Press ▶ to go to [MODE MENU].



2 Press ▲ or ▼ to select the [CAMERA] tab.

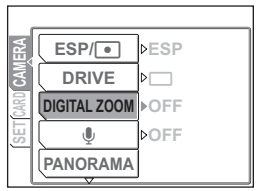
Press ▶ to go to the [CAMERA] menu.



3

Press ▲ or ▼ to select [DIGITAL ZOOM].

Press ▶ to go to the digital zoom settings.

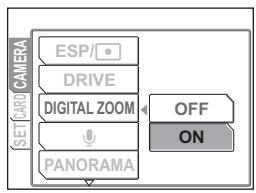


4

Press ▲ or ▼ to select [ON] and press the OK/MENU button.

The digital zoom is set.

Press the OK/MENU button again to exit the menu.

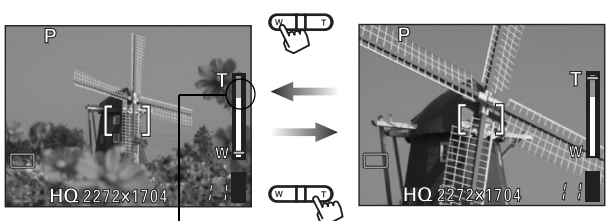


Tips

- The digital zoom cannot be used when [OFF] is selected.

5

Press the zoom button to operate the digital zoom.



White area : Range of optical zoom magnification
Red area : Range of digital zoom magnification

Caution

- Pictures taken with the digital zoom may appear grainy.
- Camera movement is likely to occur at higher magnifications. Stabilize the camera with a tripod, etc. to avoid camera movement.
- The zoom cannot be used in the self portrait mode.

Using flash

The camera is initially set to Auto-flash, but you can select from the following four flash modes according to the shooting conditions.

Auto-flash (Factory default setting)

The flash fires automatically in low light or backlight conditions.

Red-eye reduction flash

The light from the flash may make the subject's eyes appear red in pictures taken in dark places. The red-eye reduction flash mode [] reduces this phenomenon by emitting pre-flashes before firing the regular flash. This helps accustom the subject's eyes to the bright light and minimizes the red-eye phenomenon.

Caution

- After the pre-flashes, it takes about 1 second until the picture is taken. Hold the camera firmly to avoid camera movement.
- Effectiveness may be limited if the subject is not looking directly at the pre-flashes, or if the subject is too far from the camera. Individual physical characteristics may also limit effectiveness.

Fill-in flash

The flash fires regardless of the available light. This mode is useful for eliminating shadows on the subject's face (such as shadows from tree leaves), in a backlight situation, or for correcting the color shift produced by artificial lighting (especially fluorescent light).

Flash off

The flash does not fire even in low-light conditions. Use this mode in places such as art museums where flash photography is prohibited.

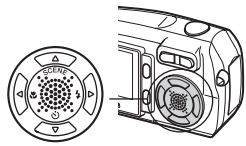
Caution

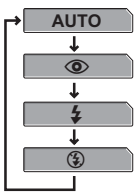
- Since a slow shutter speed is automatically selected in low light situations when in the flash off mode, the use of a tripod is recommended to prevent camera movement.

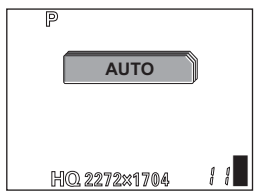
1

Press ▷ (⚡) repeatedly in shooting mode to change the flash setting.

The flash settings change in the order of the arrow. After [⚡], the setting returns to [AUTO].

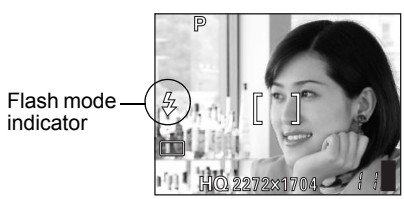






Tips

- The flash charging lamp (⚡) blinks while the flash is charging.
- Example: When [⚡] is set, the display shows ⚡ indicator.
- The flash setting mode display automatically turns off.



● Flash working range

The appropriate shooting distance when using the flash is shown below.

Shooting distance (W)	0.5 to 3.6 m (1.64 to 11.8 ft.)
Shooting distance (T)	0.5 to 2.0 m (1.64 to 6.6 ft.)

Picture quality modes for still pictures

This function lets you select the resolution and quality when recording pictures on the card. It is best to choose the resolution and quality according to the purpose. The camera is preset to HQ mode.

Record mode	Picture quality	Resolution		Usage examples
SHQ	Detailed	2272 × 1704 (Low compression)	Large	For making large prints or editing on a computer.
HQ	Normal	2272 × 1704 (Hereafter standard compression)		For printing in postcard size.
SQ1		2048 × 1536		For printing 3" × 5" prints.
SQ2		1600 × 1200		For small prints, posting on the Internet or attaching to e-mail.
		1280 × 960		
		1024 × 768		
		640 × 480	Small	

● Card capacity and number of storable pictures (without sound recording)

Record mode / Card capacity	SHQ	HQ	SQ1	SQ2			
				1600 × 1200	1280 × 960	1024 × 768	640 × 480
16MB	5	16	20	24	38	58	90
32MB	11	32	40	48	76	117	180
64MB	22	65	81	97	153	234	362
128MB	45	130	163	194	307	469	726
256MB	90	262	326	389	614	940	1453
512MB	180	523	652	779	1229	1879	2904

Tips

- The number of storable pictures listed in the table is approximate.
- The number of remaining pictures may change according to the subject or print reservation.
- The number of remaining pictures sometimes does not change even when a picture is taken or a stored picture is erased.
- Recording sound with still pictures reduces the number of pictures you can take.

Resolution and Compression rate

● Compression rate and picture quality

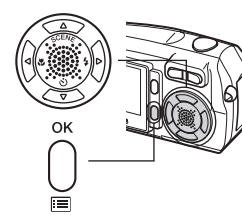
The quality of the picture depends on the compression rate. Images taken in a low compression record mode are clearer than pictures taken in standard compression record mode. However, lower compression makes the file size larger, reducing the number of pictures that can be stored on the card.

● Resolution

This refers to the number of pixels (vertical × horizontal) used when saving a picture. If the picture will be printed, higher resolution (larger number of pixels) is recommended so that the picture will be clearer. However, higher resolution pictures make the file size (amount of data) larger, so the number of pictures that can be saved will be fewer.

● Resolution and picture size on a computer screen

When a picture is transferred to a computer, the size of the picture on the computer screen varies depending on the computer's monitor setting. For instance, a picture taken in 1024 × 768 resolution is the same size as the screen if you set the picture to 1× when the monitor setting is 1024 × 768. However, if the monitor setting is greater than 1024 × 768 (such as 1280 × 1024), the picture only takes up part of the screen.

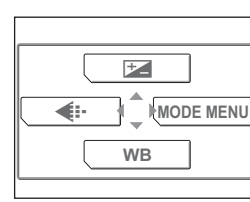


1

Press the OK/MENU button in shooting mode.

The top menu is displayed.

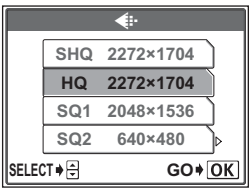
Press ◁ to select [◀:-].



2

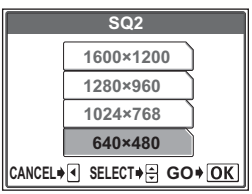
Press ▲ or ▼ to select [SHQ], [HQ], [SQ1] or [SQ2].

If you selected [SHQ], [HQ] or [SQ1], go to step 4.
If you selected [SQ2], go to step 3.



3

Press ▶ to display the [SQ2] setup screen.
Press ▲ or ▼ to choose a resolution and press the OK/MENU button.



4

Press the OK/MENU button.

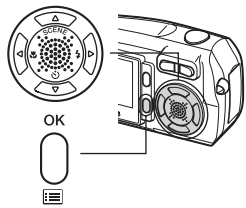
The selected record mode and the number of shootable still pictures are displayed.

Tips

- To save the selected picture quality mode for the next time you use the camera, set [ALL RESET] to [OFF]. ☞ “Saving settings” (P. 80)

Picture quality modes for movie

You can select between two picture quality modes. The recording time varies depending on the picture quality mode.



Record mode	Resolution (Frames per second)	Recording time (16MB)
HQ	320 × 240 (15 frames/sec.)	Approx. 41 sec.
SQ	160 × 120 (15 frames/sec.)	Approx. 150 sec.

● **Total recording time per card**

Record mode / Card capacity	HQ	SQ
16MB	Approx. 41 sec.	Approx. 150 sec.
32MB	Approx. 83 sec.	Approx. 300 sec.
64MB	Approx. 170 sec.	Approx. 600 sec.
128MB	Approx. 330 sec.	Approx. 1200 sec.
256MB	Approx. 670 sec.	Approx. 2400 sec.
512MB	Approx. 1300 sec.	Approx. 4800 sec.

Tips

- The recording time listed in the table is approximate.

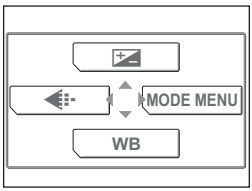
1

Set the shooting mode to [MOVIE] (🎥) and press the OK/MENU button.

☞ “Recording movies 🎥” (P. 16)

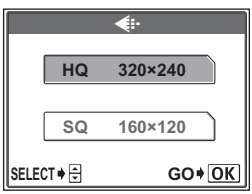
The top menu is displayed.

Press ◁ to select [◀:-].



2

Press △ or ▽ to select [HQ] or [SQ].



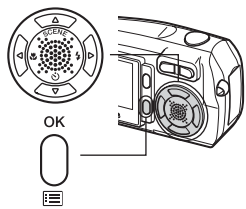
3

Press the OK/MENU button.

The selected record mode and time remaining are displayed.

Selecting white balance according to surrounding lighting **WB**

When daylight, the sun or tungsten lighting is reflected on white substance, the shade of white produced will differ for each. People's eyes recognize white objects as being white irrespective of the surrounding lighting, but with a digital camera the color needs to be adjusted to suit the situational lighting so that white objects appear white in the picture. This adjustment function is called "white balance."



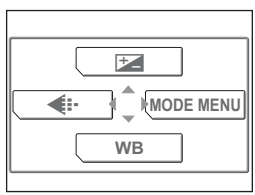
AUTO	The camera automatically adjusts the white balance according to the situational lighting so that colors look natural.	
PRESET	Choose from one of the following white balance settings according to the situational lighting.	
	☼	Suitable for taking pictures under a clear sky.
	☁	Suitable for taking pictures under a cloudy sky.
	💡	Suitable for taking pictures under tungsten lighting (incandescent).
	▭	Suitable for taking pictures under fluorescent lighting.

1

Press the OK/MENU button in shooting mode.

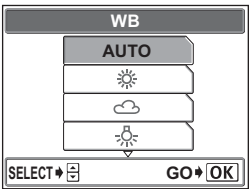
The top menu is displayed.

Press ◁▷ to select [**WB**].

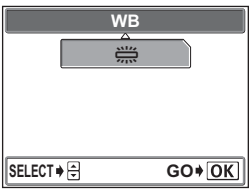


2

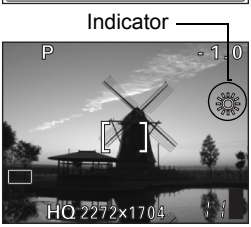
Press ◁ or ▷ to select [AUTO], [☀], [☁], [💡] or [▤], then press the OK/MENU button.



The selected white balance mode is set.



- When the white balance mode is selected, the white balance indicators [☀, ☁, 💡, ▤] are displayed at this point on the monitor.
- No indication is displayed when [AUTO] white balance mode is set.



Tips

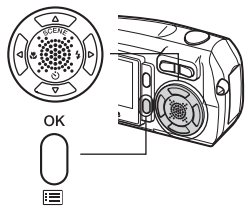
- Set the white balance to [☀] or [☁] to capture a sunrise or sunset with beautiful reddish tones.

Caution

- The white balance feature may not be effective under some special light sources, such situations where multiple lights are used.
- If you set a white balance mode other than [AUTO], play back the picture and check the colors on the monitor.
- When the flash is fired with a white balance setting other than [AUTO], colors may appear different in the resulting picture from those in the picture you see on the monitor.

Setting Exposure Compensation

If your subject is extremely bright or dark, or if the contrast between the subject and the background is high, you can adjust the brightness using the exposure compensation feature. You can adjust the exposure between +2.0 and –2.0 in 1/3 EV (Exposure Value) steps.

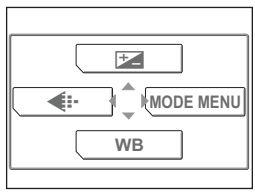


1

Press the OK/MENU button in shooting mode.

The top menu is displayed.

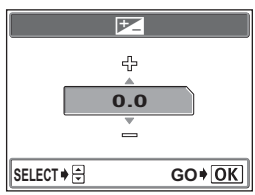
Press ▲ to select [+/−].



2

Press ▲ or ▼ to select the exposure compensation value.

▲: Adjusts towards [+] to give a brighter picture.
▼: Adjusts towards [–] to give a darker picture.



3

Press the OK/MENU button.

The selected exposure compensation value is set.

Tips

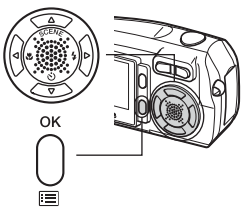
- Often bright subjects (such as snow) will turn out darker on the picture than their natural colors. Adjusting towards [+] makes these subjects closer to their real shades. For the same reason, adjust towards [–] when shooting dark subjects.
- We recommend that you return the exposure compensation value to 0 after taking a picture with an adjusted exposure compensation.

Caution

- If the flash is used, the picture brightness (exposure) may differ from the intended brightness (exposure).

When brightness of subject and background differs [●]

Taking pictures of a backlit subject may result in darkened faces or other foreground objects. Using spot metering in such situations will ensure that the subject is clear regardless of the background light.

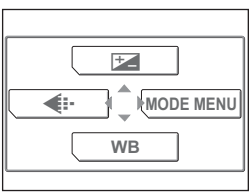


ESP (no indication)	Meters the subject at the center of the monitor and the area around it separately to obtain the optimum exposure.
[●]	Meters only the subject in the AF target mark at the center of the monitor to obtain the appropriate exposure for the subject in the center.

1 Press the OK/MENU button in shooting mode.

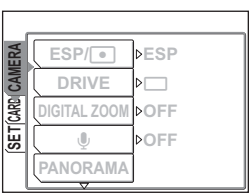
The top menu is displayed.

Press ▷ to go to [MODE MENU].



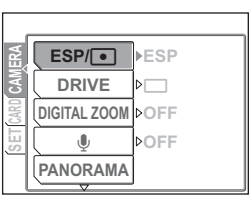
2 Press △ or ▽ to select the [CAMERA] tab.

Press ▷ to go to the [CAMERA] menu.



3 Press △ or ▽ to select [ESP/[●]].

Press ▷ to go to the metering settings.

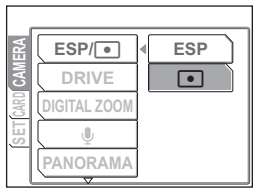


4

Press ▲ or ▼ to select [•] and press the OK/MENU button.

Spot metering is set.

Press the OK/MENU button again to exit the menu.



5

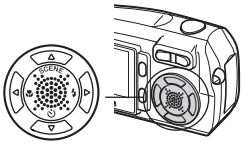
Take the picture using spot metering.

① Position the subject in the center of the frame and press the shutter button halfway.

② Compose your shot and press the shutter button all the way to take the picture.

Taking close-up pictures

Use the macro mode when you want to shoot a close up of the subject, for example when taking a picture of a flower.

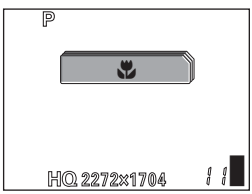


With the macro mode, you can take pictures as close as 20 cm (7.8 in.) to the subject. To shoot even closer, select the super macro mode. This lets you shoot as close as 9 cm (3.5 in.) to the subject.

1

Press ◁ (🌷) repeatedly in shooting mode to select [🌷].

When the macro mode has been selected, 🌷 is displayed on the monitor.



2

Take the picture.

Tips

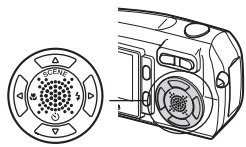
- To cancel the Macro mode, select [🌷OFF].
- You can take pictures of your subject at a distance of more than 50 cm (1.6 ft.) with the macro mode turned on. However, the camera will take longer than usual to focus.
- If you use the flash in macro shooting, shadows may be noticeable and the appropriate exposure may not be obtained.

● Shooting distance and shooting scope

Zoom position	Shooting distance	Shooting range (W × H) (minimum shooting distance)
Macro mode (W)	20 cm (7.8 in.) to ∞	207 × 154 mm (20 cm (7.8 in.))
Macro mode (T)	20 cm (7.8 in.) to ∞	70 × 53 mm (20 cm (7.8 in.))

Setting up Super macro mode

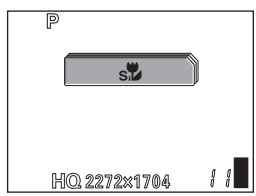
Select the super macro mode to take pictures as close as 9 cm (3.5 in.) to the subject. The lens will be set to T (Telephoto) and the flash will not operate.



1

Press ◁ (🌷) repeatedly in shooting mode to select [S🌷].

The lens is set in the T (Telephoto) position and the camera is set in the super macro mode. When the super macro mode has been selected, S🌷 is displayed on the monitor.



2

Take the picture.

Tips

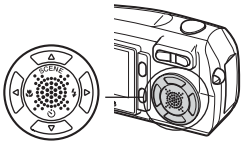
- To cancel the super macro mode, select [🌷OFF].
- If you try to take a picture of a subject at a distance greater than 20 cm (7.9 in.) in the Super macro mode, the camera takes longer to focus.

● Shooting distance and shooting range

Zoom position	Shooting distance	Shooting range (W × H) (minimum shooting distance)
Super macro mode (T)	9 cm (3.5 in.) to 50 cm (19.7 in.)	33 × 25 mm (9 cm (3.5 in.))

Using self-timer

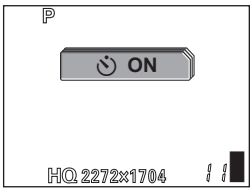
In the self-timer mode, the picture is taken approximately 12 seconds after the shutter button is pressed. You are recommended to stabilize the camera by using a tripod.



1

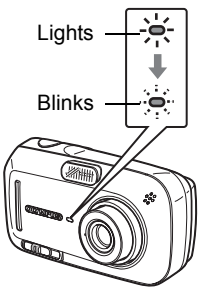
Press ◁ (⏲) repeatedly in shooting mode to select [⏲ ON].

When the self-timer mode has been selected, ⏲ is displayed on the monitor.



2

Take the picture.



Tips

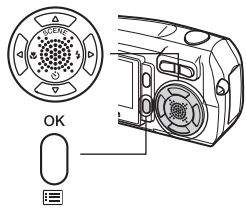
- To cancel the self-timer mode, select [⏲ OFF].
- The self-timer lamp lights for approximately 10 seconds, then starts blinking. After blinking for approximately 2 seconds, the picture is taken.
- To cancel the self-timer being activated, press ◁.
- The self-timer mode is automatically canceled after one shot.

Caution

- Do not operate the self-timer while standing directly in front of the camera lens. The focus and exposure will not be able to lock.

Taking successive pictures

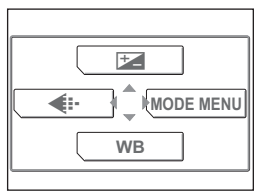
This function allows you to take a rapid succession of still pictures at approximately 1 frames per second (approx. 4 pictures in [HQ] mode) by keeping the shutter button pressed. As you can choose the best picture from a series of sequential shots, you are recommended to use this mode when photographing a moving subject.



1 Press the OK/MENU button in shooting mode.

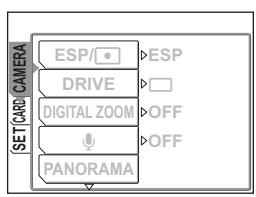
The top menu is displayed.

Press ▷ to go to [MODE MENU].



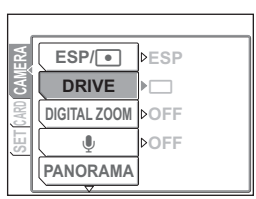
2 Press △ or ▽ to select the [CAMERA] tab.

Press ▷ to go to the [CAMERA] menu.



3 Press △ or ▽ to select [DRIVE].

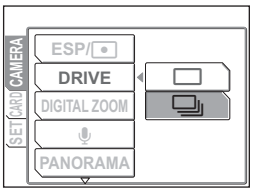
Press ▷ to go to the successive picture settings.



4 Press ▲ or ▼ to select [□] and press the OK/MENU button.

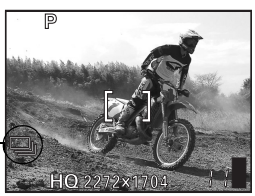
The successive picture shooting is set.

Press the OK/MENU button again to exit the menu.



5 Take the pictures.

The successive picture shooting indication is displayed on the monitor.

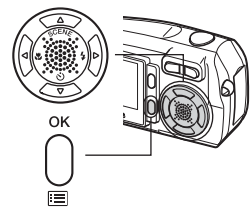


Tips

- Press the shutter button fully and keep it pressed. The camera will continue to take pictures until you release your finger from the shutter button.
- Focus is set at the first frame.

Panoramic shooting

You can take advantage of the panoramic shooting feature with the Olympus xD-Picture Card.
Panoramic shooting lets you connect pictures with overlapping edges into a single panoramic picture, using the OLYMPUS Master software contained in the CD-ROM provided.



Caution

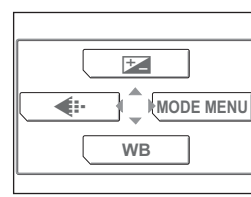
- The panoramic mode is only available when using the Olympus xD-Picture Card.

1

Press the OK/MENU button in shooting mode.

The top menu is displayed.

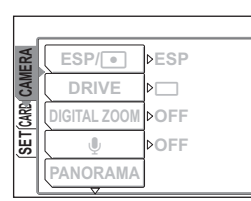
Press ▶ to go to [MODE MENU].



2

Press ▲ or ▼ to select the [CAMERA] tab.

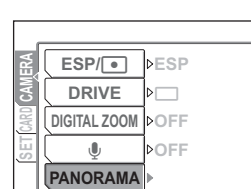
Press ▶ to go to the [CAMERA] menu.



3

Press ▲ or ▼ to select [PANORAMA].

Press ▶ to go to the panoramic shooting display.



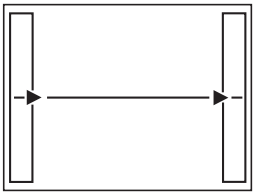
4 On the monitor, use the arrow pads to choose the direction you want to take the pictures in.

: Takes pictures from left to right.

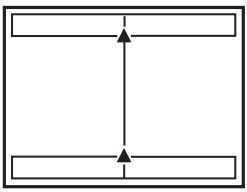
: Takes pictures from right to left.

: Takes pictures from bottom to top.

: Takes pictures from top to bottom.



Takes pictures from left to right.

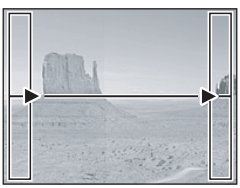


Takes pictures from bottom to top.

5 Take the first picture.

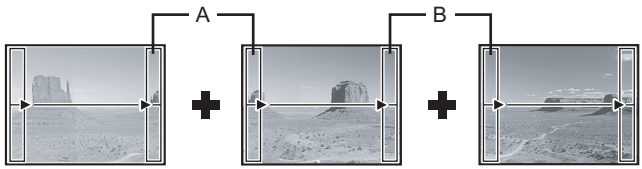
Tips

- Focus, exposure and white balance are set by the first picture. Do not select an extremely bright subject (such as the sun) for the first picture.



6 Make sure that the edges of the pictures overlap, then take your pictures.

Use the frames at the edges of the screen as a guide when composing your pictures. The first and second shots are taken so that they overlay part A. The second and third pictures are taken so that they overlay part B. Remember the picture in the frame so that you can compose the next picture.



Tips

- Panoramic shooting is possible for up to 10 pictures.
- When you have taken 10 pictures, a warning mark is displayed.

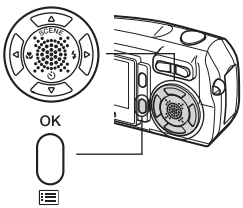
When you have finished taking pictures, press the OK/MENU button to exit panoramic shooting.

Tips

- To compose a panoramic picture, stitch the pictures taken together using the OLYMPUS Master software contained in the CD-ROM.

Stitching together two pictures 2 IN 1

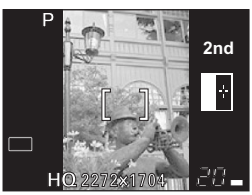
This function allows you to position two pictures taken in succession next to each other and store them as a single picture. You can combine two different subjects in one picture.



First picture

Positioned on left.

Second picture



Positioned on right.

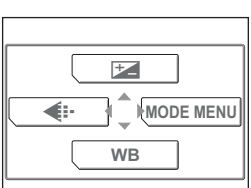
Picture during playback

1

Press the OK/MENU button in shooting mode.

The top menu is displayed.

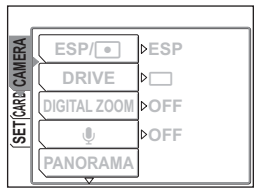
Press ▷ to go to [MODE MENU].



2

Press ▲ or ▼ to select the [CAMERA] tab.

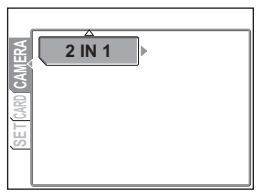
Press ▶ to go to the [CAMERA] menu.



3

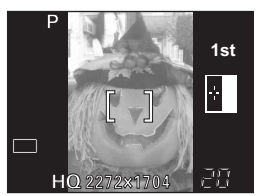
Press ▲ or ▼ to select [**2 IN 1**].

Press ▶ to go to the composite 2 pictures shooting display.



4

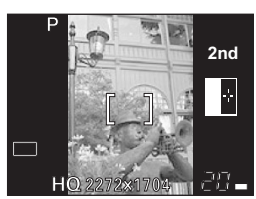
Take the first shot.



5

Take the second shot.

Once the second picture is taken, the monitor automatically returns to the top menu.

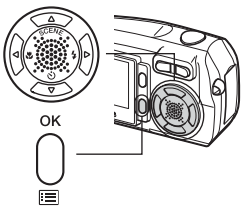


Tips

- To cancel shooting in [**2 IN 1**] mode before taking the first or second picture, press the OK/MENU button. The first picture taken is not stored.

Recording sound with still pictures

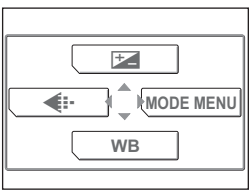
This function lets you record sound when taking a still picture. Recording begins about 0.5 seconds after pressing the shutter button and lasts for about 4 seconds. When this function is enabled, sound is automatically recorded after each picture is taken. This is useful for adding an audio comment to the picture just taken.



1 Press the OK/MENU button in shooting mode.

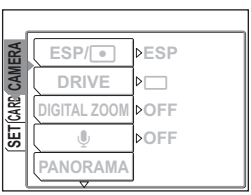
The top menu is displayed.

Press ▶ to go to [MODE MENU].



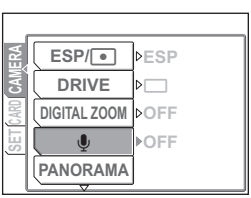
2 Press ▲ or ▼ to select the [CAMERA] tab.

Press ▶ to go to the [CAMERA] menu.



3 Press ▲ or ▼ to select [🎤].

Press ▶ to go to the recording sound with still pictures setting.

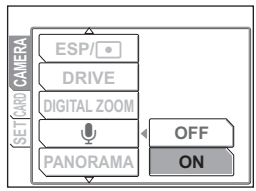


4

Press ▲ or ▼ to select [ON] and press the OK/MENU button.

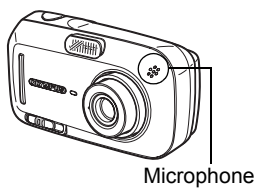
Recording sound with still pictures is set.

Press the OK/MENU button again to exit the menu.



5

Press the shutter button to start the sound recording. When the sound recording is started, position the microphone toward the sound source.



Tips

- The volume of the recorded sound can be adjusted during playback. ☞"Setting volume" (P. 88)

Caution

- If the source of the sound you are recording is more than 1 m (3.3 ft.) away from the microphone, the recorded sound may not be very clear.
- The next picture cannot be taken until sound recording has stopped.
- Sound cannot be recorded during successive shooting (P. 36), panoramic shooting (P. 38) or composite 2 pictures shooting mode (P. 41).

2 Viewing

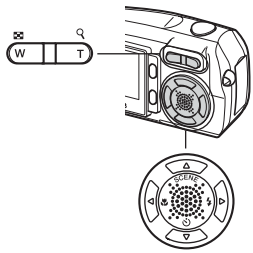
This chapter describes how to play back the still pictures and movies.

To change the playback settings, refer to “3: Setting Up.”

Displaying several pictures at once

This function lets you view several thumbnail pictures on the monitor at once. It is useful when you are looking for a specific picture. You can change the number of pictures displayed.

☞"Selecting the number of pictures ▪" (P. 47)



1

Press the ▪ side of the zoom button in playback mode.

The index display appears.

2

Use the arrow pads to select a picture.

◁: Moves to the previous picture.

▷: Moves to the next picture.

△: Jumps to the previous index display. (the frames before the top left frame)

▽: Jumps to the next index display. (the frames following the bottom right frame)

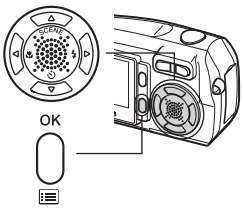
3

Press the 🔍 side of the zoom button.

The screen returns to single-frame playback.

Selecting the number of pictures

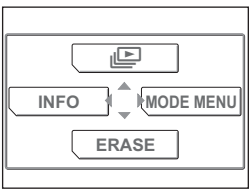
You can choose to display 4, 9 or 16 thumbnail pictures on the monitor.



1 Press the OK/MENU button in playback mode.

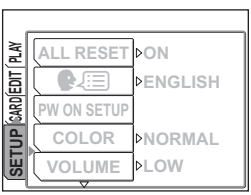
The top menu is displayed.

Press ▷ to go to [MODE MENU].



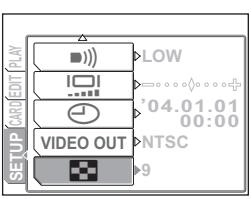
2 Press △ or ▽ to select the [SETUP] tab.

Press ▷ to go to [SETUP] menu.



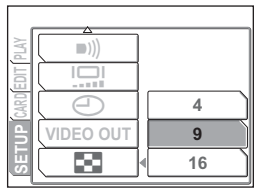
3 Press △ or ▽ to select [▪▪].

Press ▷ to go to the index display settings.



4

Press ◁ or ▽ to choose the number of pictures [4], [9] or [16] and press the OK/MENU button.

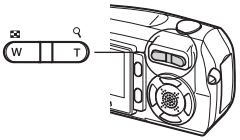


The number of pictures in the index display is set.

Press the OK/MENU button again to exit the menu.

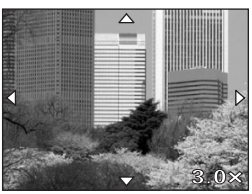
Enlarging pictures

A picture displayed on the monitor can be enlarged up to 4 times their original size to check the clarity of the picture.



1 Press the Q side of the zoom button in playback mode.

The picture is enlarged in steps (1.5×, 2.0×, 2.5×, 3.0×, 3.5× and 4.0×) each time the Q side of the zoom button is pressed.



Tips

- When a picture is enlarged, you can view different areas of the picture by pressing the arrow pads.

2 Press the ▪ side of the zoom button.

The screen returns to single-frame playback.

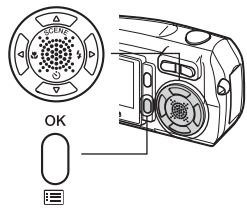
Rotating pictures

Pictures taken when the camera is held vertically are displayed horizontally.

Original picture

Rotated 90 degrees clockwise (+90°)

Rotated 90 degrees counterclockwise (–90°)

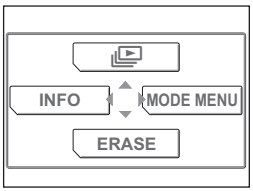


1 In playback mode, display the picture you want to rotate.

2 Press the OK/MENU button.

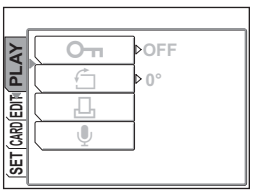
The top menu is displayed.

Press ▶ to go to [MODE MENU].



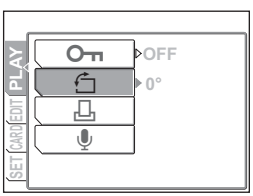
3 Press ▲ or ▼ to select the [PLAY] tab.

Press ▶ to go to the [PLAY] menu.



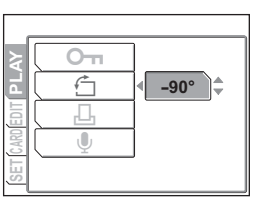
4 Press ▲ or ▼ to select [↶].

Press ▶ to go to the rotation display settings.



5 Press ▲ or ▼ to select [+90°] or [–90°].

The picture is rotated and displayed.



6 Press the OK/MENU button.

The rotated picture is saved.

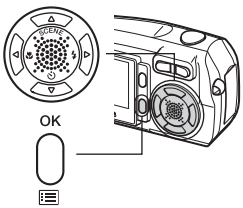
Press the OK/MENU button again to exit the menu.

Caution

- Protected pictures cannot be rotated. Cancel the protection setting before rotating a protected picture. ☞"Protecting pictures" (P. 70)
- The following pictures cannot be rotated:
  - movies
  - pictures edited on a computer
  - pictures taken with other cameras.

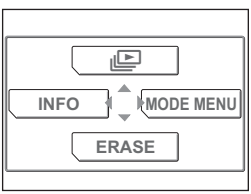
Displaying pictures one after another

This function automatically displays the pictures in order (slideshow). For movies, only the first frame is displayed.



1 Press the OK/MENU button in playback mode.

The top menu is displayed.



2 Press ◁▷ to start the slideshow.

Pictures are displayed in sequence at approximately 3 second intervals.

Tips

- Still pictures recorded with sound are displayed at in about 4 second intervals.

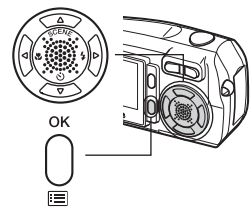
3 Press the OK/MENU button to exit the slideshow.

Caution

- You are recommended to use an AC adapter (sold separately) when running a slideshow for a long period of time. If the battery is used, the camera will automatically stop the slideshow after about 30 minutes and turn off.

Recording sound with pictures taken

This function lets you record sound to the still pictures already taken, or renew recorded sound. Recording time for each picture is for about 4 seconds.

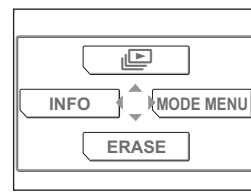


1 Play back the picture you wish to add sound to in playback mode.

2 Press the OK/MENU button.

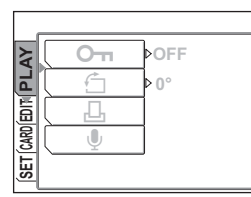
The top menu is displayed.

Press ▶ to go to [MODE MENU].

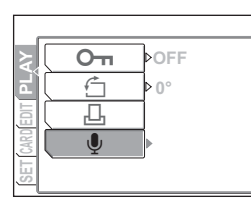


3 Press ▲ or ▼ to select the [PLAY] tab.

Press ▶ to go to the [PLAY] menu.



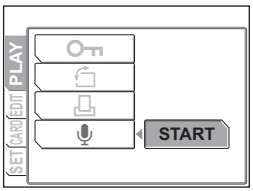
4 Press ▲ or ▼ to select [🎤].



5

Press ▷ to select [START] and press the OK/MENU button.

Sound recording starts.

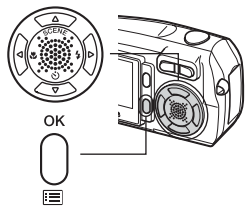


Caution

- If the source of the sound you are recording is more than 1 m (3.3 ft.) away from the camera, the recorded sound may not be very clear.
- When sound is recorded on the picture with sound, previous sound will be erased and only newly recorded sound will be stored.
- If the card has not enough memory space left (cards which can show a warning display), recording sound may not be possible.
- If the camera buttons are operated while recording sound, camera operation sound may be recorded.
- Once sound has been recorded on to a picture, it cannot be erased unless you record a new sound.

Playing back movies

This function lets you play back movies on the camera's monitor.
When the playback mode is activated, the last picture recorded is played back on the monitor. Follow the instructions below to select a picture with 🎞 mark and play it back.



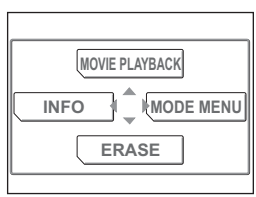
1

Press ◁ ▷ △ or ▽ in playback mode to select the picture with the 🎞 mark.

2

Press the OK/MENU button.

The top menu is displayed.



3

Press ▲ to select [MOVIE PLAYBACK].

The movie is played back.

Playing time
Total recording time

Tips

- The playing time and the total recording time are displayed on the monitor.
- The time it takes to start movie playback depends on the length of the movie and the image quality.
- While a movie is playing back, you can select the following operations.
  - ◀: Rewind
  - ▶: Fast forward
  - ▲: Raise volume
  - ▼: Lower volume
  - OK/MENU button: Pause

- In pause mode, you can operate as follows.
  - ◀: Reverse playback while the button is pressed
  - ▶: Normal playback while the button is pressed
  - ▲: Displays the first frame
  - ▼: Displays the last frame
  - OK/MENU button: Displays the movie playback menu

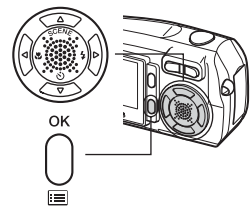
4

The movie playback menu is displayed when playback is finished. Press ▲ or ▼ to select [RESTART] or [EXIT] from the menu, then press the OK/MENU button.

RESTART:	Plays back the entire movie again.
EXIT:	Cancels the movie playback.

Creating an index

The camera automatically selects nine frames from the movie and stores as still pictures, enabling you to see the content of the movie at a glance.

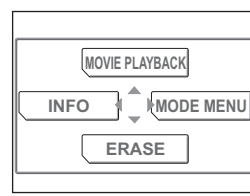


1 Select a movie with 🎞 in playback mode.

2 Press the OK/MENU button.

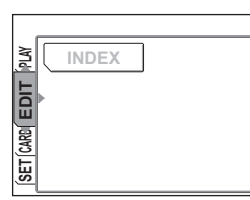
The top menu is displayed.

Press ▶ to select [MODE MENU].

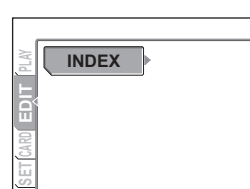


3 Press ▲ or ▼ to select the [EDIT] tab.

Press ▶ to go to the [EDIT] menu.



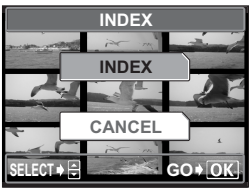
4 Press ▶ again to go to the index creation mode.



5

Press ▲ or ▼ to select [INDEX], then press the OK/MENU button.

Once the index is created, it is stored as a new still picture.



Tips

- The index is stored as pictures in different record modes from the original movie.

Record mode when the movie was shot.	Image quality when stored as an index
HQ	SQ2 (1024 × 768 pixels)
SQ	SQ2 (640 × 480 pixels)

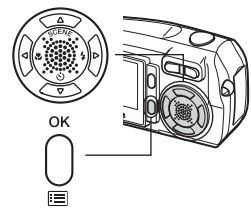
Caution

- The interval between the frames that are automatically selected for the index varies depending on the length of the movie.

Playback on a TV

You can play back pictures on a TV. Use the AV cable provided with the camera to connect the camera to the TV.

Select NTSC or PAL according to your TV video signal system.



Tips

TV video signal systems

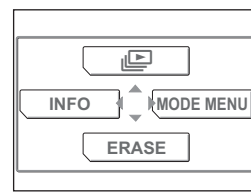
- NTSC: North America, Taiwan, Korea, Japan
  PAL: European countries, China

1

Press the OK/MENU button in the playback mode.

The top menu is displayed.

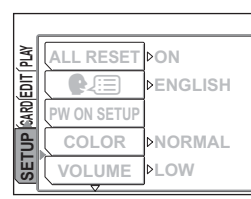
Press ▷ to go to [MODE MENU].



2

Press △ or ▽ to select the [SETUP] tab.

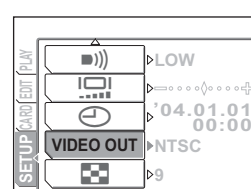
Press ▷ to go to the [SETUP] menu.



3

Press △ or ▽ to select [VIDEO OUT].

Press ▷ to go to the video signal system selection.

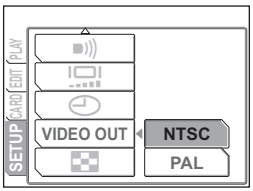


4

Press ▲ or ▼ to select [NTSC] or [PAL] and press the OK/MENU button.

The video signal system is set.

Press the OK/MENU button again to exit the menu.

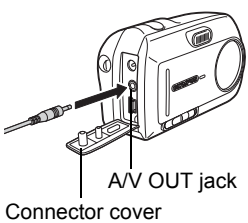


5

Turn the camera and the TV off.

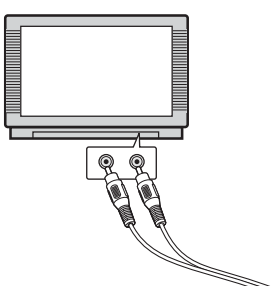
6

Plug the AV cable into the A/V OUT jack on the camera.



7

Plug the yellow plug and the white plug of the AV cable into the TV video (yellow) and audio (white) input jacks respectively.



Tips

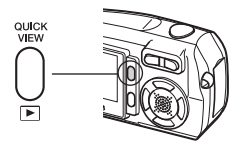
- For information on your TV audio/video input jacks, refer to your manual of the TV.

8 Turn the TV on and switch to the video input mode.

Tips

- For information on the video input mode, refer to your manual of the TV.

9 Press the playback (▶) button to turn the camera on.



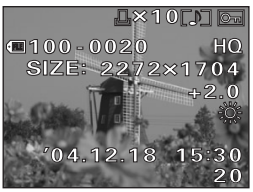
The picture is displayed on the TV.

Tips

- Operate the camera in the same way as normal playback to display pictures on your TV.
- When the pictures are played back on a TV, we recommend you to use an AC adapter (sold separately).
- Press the playback button to turn the camera off before disconnecting the AV cable.

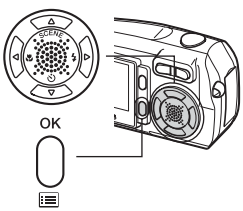
Displaying shooting information

This function changes the shooting information displayed on the monitor.

Detailed information display	Normal information display
	

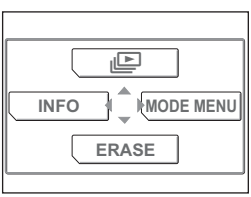
Tips

- The information is displayed for approximately 3 seconds.



1 Press the OK/MENU button in the playback mode.

The top menu is displayed.



2 Press ◁ to select [INFO].

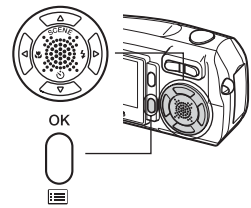
The detailed shooting information is displayed.

Tips

- To return to normal display, repeat steps 1 and 2.

Creating black and white pictures

This function enables you to convert selected pictures into black and white pictures and store them as new pictures.

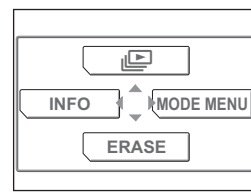


1 While in playback mode, display the picture you want to convert into black and white pictures.

2 Press the OK/MENU button.

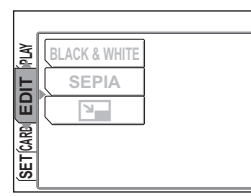
The top menu is displayed.

Press ▷ to go to [MODE MENU].



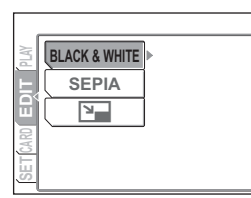
3 Press △ or ▽ to select the [EDIT] tab.

Press ▷ to go to the [EDIT] menu.



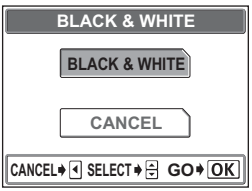
4 Press △ or ▽ to select [BLACK & WHITE].

Press ▷ to go to the black and white picture settings.



5

Press ▲ or ▼ to select [BLACK & WHITE].



6

Press the OK/MENU button to create the black and white picture.

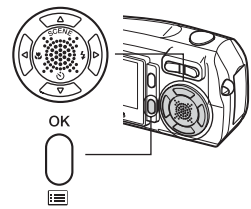
Once the black and white picture is created, it is stored as a new picture.

Caution

- A new picture cannot be created if the card is full.

Creating sepia-toned pictures

This function enables you to convert selected pictures into sepia-toned pictures and store them as new pictures.

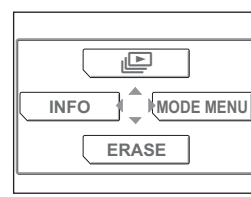


1 While in playback mode, display the picture you want to convert into sepia color.

2 Press the OK/MENU button.

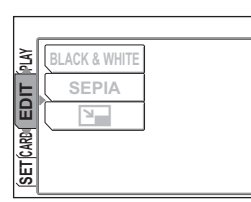
The top menu is displayed.

Press ▶ to go to [MODE MENU].



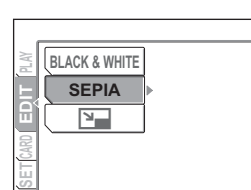
3 Press ▲ or ▼ to select the [EDIT] tab.

Press ▶ to go to the [EDIT] menu.



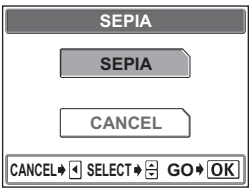
4 Press ▲ or ▼ to select [SEPIA].

Press ▶ to go to the sepia-tone picture settings.



5

Press ▲ or ▼ to select [SEPIA].



6

Press the OK/MENU button to create the sepia-toned picture.

Once the sepia-toned picture is created, it is stored as a new picture.

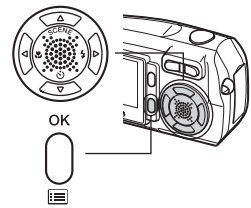
Caution

- A new picture cannot be created if the card is full.

Changing the resolution

This function enables you to change the resolution of selected pictures and store them as new pictures. This is useful when you want to reduce the volume of picture data, such as when posting pictures on the Internet or attaching them to e-mail.

You can choose from two resolutions, 640 × 480 and 320 × 240.

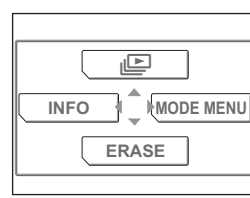


1 While in playback mode, display the picture you want to resize.

2 Press the OK/MENU button.

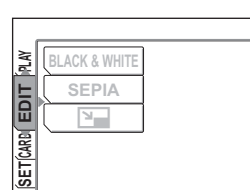
The top menu is displayed.

Press ▶ to go to [MODE MENU].



3 Press ▲ or ▼ to select the [EDIT] tab.

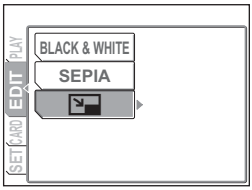
Press ▶ to go to the [EDIT] menu.



4

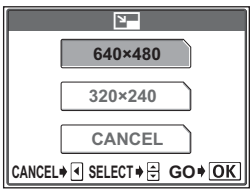
Press ▲ or ▼ to select [⤡].

Press ▶ to go to the resize settings.



5

Press ▲ or ▼ to select the picture size.



6

Press the OK/MENU button to create the resized picture.

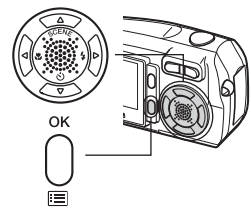
Once the picture is resized, it is stored as a new picture.

Caution

- If the resolution is 640 × 480 when the picture is taken, you cannot set to [640 × 480].
- Resizing is not available in the following cases.
  - for movies
  - for pictures edited on a PC
  - when the card is full
  - for pictures taken with other cameras

Protecting pictures

You can protect important pictures to avoid accidentally erasing them. Protected pictures cannot be erased by the single-frame or all-frame erase function.



Caution

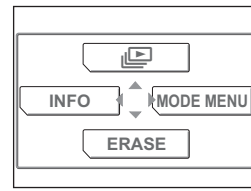
- Formatting erases both unprotected and protected pictures. ☞"Formatting a card" (P. 97)

1 While in playback mode, display the picture you want to protect.

2 Press the OK/MENU button.

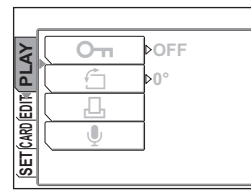
The top menu is displayed.

Press ▶ to go to the [MODE MENU].



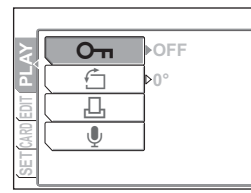
3 Press ▲ or ▼ to select the [PLAY] tab.

Press ▶ to go to the [PLAY] menu.



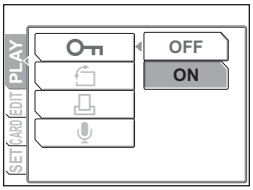
4 Press ▲ or ▼ to select [O-key].

Press ▶ to go to the protection settings.



5

Press ◁ or ▽ to select [ON].



Tips

- To cancel protection, select [OFF].

6

Press the OK/MENU button.

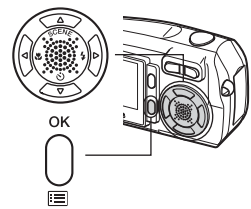
The selected picture is protected.

Tips

- is displayed on the screen.

Erasing one picture

Digital cameras let you erase pictures that you do not want to keep.



Tips

- You can also erase all the pictures stored (except protected ones) on the card at once. ☞"Erasing all pictures 🗑" (P. 73)
- The protected pictures cannot be erased. ☞"Protecting pictures O-n" (P. 70)

Caution

- Once erased, pictures cannot be restored.

1

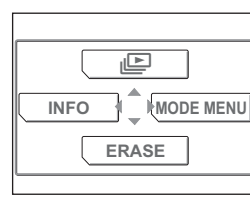
While in playback mode, display the picture you want to erase.

2

Press the OK/MENU button.

The top menu is displayed.

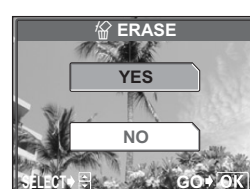
Press ⊛ to select [ERASE].



3

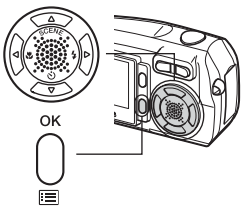
Press ⊛ to select [YES], and press the OK/MENU button.

The picture displayed on the monitor is erased.



Erasing all pictures

This function erases all pictures stored on the card.



Tips

- The protected pictures cannot be erased.
  ☞"Protecting pictures O-key" (P. 70)

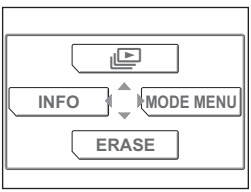
Caution

- Once erased, pictures cannot be restored.

1 Press the OK/MENU button in the playback mode.

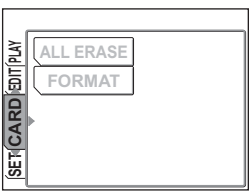
The top menu is displayed.

Press ▷ to go to [MODE MENU].



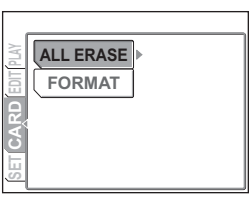
2 Press △ or ▽ to select the [CARD] tab.

Press ▷ to go to the [CARD] menu.



3 Press △ or ▽ to select the [ALL ERASE].

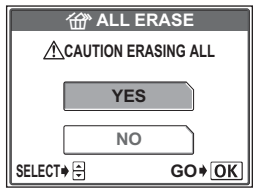
Press ▷.



4

Press ⊛ to select [YES], and press the OK/MENU button.

All pictures, except for protected ones, are erased.



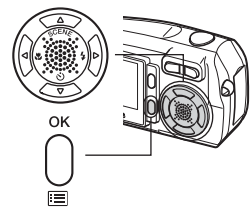
3 Setting Up

Describes how to set operation modes and change settings.

When the same settings are available for “Shooting mode” and “Playback mode,” the monitor displays for “Shooting mode” are used in this chapter.

Selecting a language

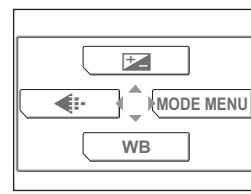
You can select the language in which the menus and error messages are displayed on the monitor.



1 Press the OK/MENU button.

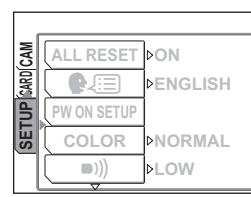
The top menu is displayed.

Press ▷ to go to the [MODE MENU].



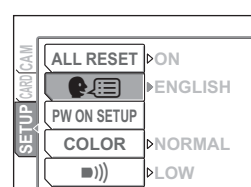
2 Press △ or ▽ to select the [SETUP] tab.

Press ▷ to go to the [SETUP] menu.



3 Press △ or ▽ to select [🗣].

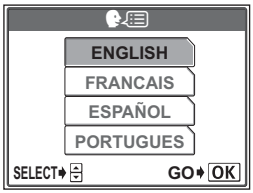
Press ▷ to go to the language settings.



4

Press ⌃ or ⌄ to select the desired language.

Available languages vary depending on the region where you purchased the camera.



5

Press the OK/MENU button.

The selected language is set.

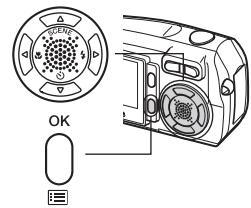
Press the OK/MENU button again to exit the menu.

Tips

- You can add other languages to the default. The firmware for other languages can be downloaded from OLYMPUS homepage. For details, see OLYMPUS homepage.

Setting date and time

You can set the date and time.
This feature is handy when managing pictures on a computer or printing pictures.

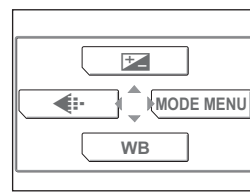


1

Press the OK/MENU button.

The top menu is displayed.

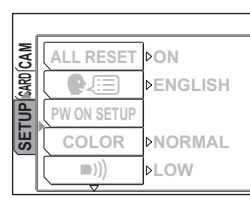
Press ▶ to go to [MODE MENU].



2

Press ▲ or ▼ to select the [SETUP] tab.

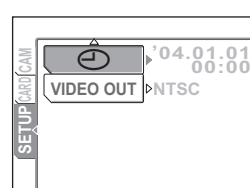
Press ▶ to go to the [SETUP] menu.



3

Press ▲ or ▼ to select [🕒].

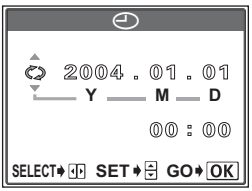
Press ▶ to go to the date/time setting.



4

Press ▲ or ▼ to select one of the following date formats: [Y]-[M]-[D] (Year/Month/Day), [M]-[D]-[Y] (Month/Day/Year), [D]-[M]-[Y] (Day/Month/Year).

Press ▶ to go to the year input.



Tips

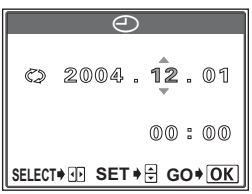
- The following steps show the procedure used when the date format is set to [Y]-[M]-[D].

5

Press ▲ or ▼ to set each of the last two digits of the year.

Press ▶ to go to the month input.

Repeat the above step to finish the date and time inputtings.



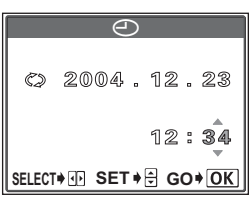
Tips

- The time is displayed in 24-hour format. For example, 1:00 p.m. is displayed as 13:00.

6

Press the OK/MENU button.

The date and time will be set.



Tips

- For a more accurate setting, press the OK/MENU button when the time hits 00 seconds. The clock starts when you press the button.

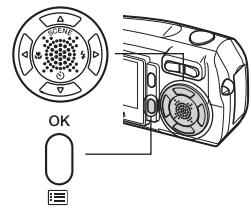
Press the OK/MENU button again to exit the menu.

Caution

- If the camera is left for about a day with the battery removed, the date and time settings will revert to the factory default settings.

Saving settings

This function lets you save the shooting and other settings you have made during shooting or playback.



ON	All settings are reset to the factory default settings when the camera is turned off.
OFF	The settings made before the camera is turned off are saved.

Tips

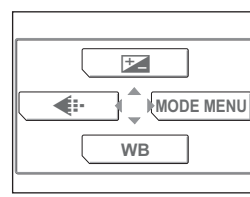
- The camera is set to [ON] at the time of purchase.
- The settings affected by [ALL RESET] are listed on ☞ P. 81.

1

Press the OK/MENU button.

The top menu is displayed.

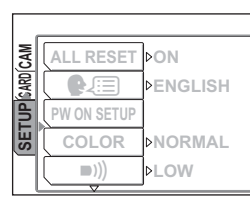
Press ▷ to go to [MODE MENU].



2

Press △ or ▽ to select the [SETUP] tab.

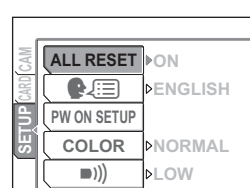
Press ▷ to go to the [SETUP] menu.



3

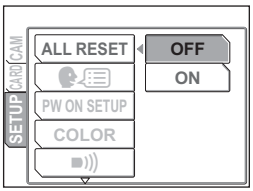
Press △ or ▽ to select [ALL RESET].

Press ▷ to go to the save on/off settings.



4

Press ▲ or ▼ to select [OFF].



5

Press the OK/MENU button.

The save settings is turned on.

Press the OK/MENU button again to exit the menu.

● **The functions and settings to save or reset your settings**

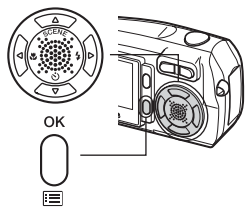
Function	Factory default setting	Ref. page
SCENE	PROGRAM AUTO	P. 12
Flash	AUTO	P. 21
S	OFF	P. 33
	0.0	P. 30
	HQ	P. 23
	ESP	P. 31
DRIVE		P. 36
DIGITAL ZOOM	OFF	P. 19
(still picture)	OFF	P. 43
WB	AUTO	P. 28

Tips

- Settings not mentioned above are always saved.
- See ☞"Menu List" (P. 172 - 175) for information about all the default settings (the settings when shipped from the factory).

Checking picture you have just taken

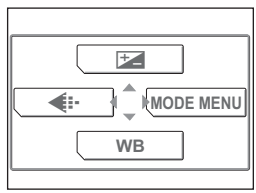
REC VIEW lets you check the picture you have just taken on the monitor. The picture is displayed for a few seconds between shots, letting you check each picture as it is taken. If you want to move on to the next shot immediately without checking the previous picture, set [REC VIEW] to [OFF].



1 Press the OK/MENU button in shooting mode.

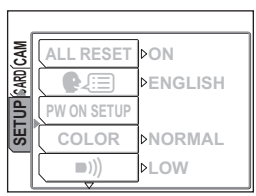
The top menu is displayed.

Press ▶ to go to [MODE MENU].



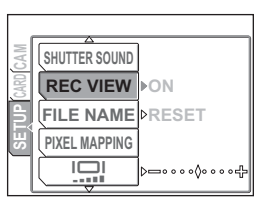
2 Press ▲ or ▼ to select the [SETUP] tab.

Press ▶ to go to the [SETUP] menu.



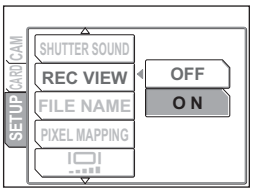
3 Press ▲ or ▼ to select [REC VIEW].

Press ▶ to go to the rec view settings.



4 Press ▲ or ▼ to select [ON] or [OFF], and press the OK/MENU button.

Press the OK/MENU button again to exit the menu.

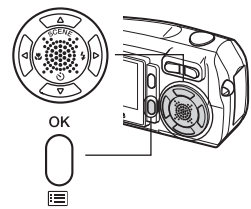


Tips

- In movie shooting mode, [REC VIEW] cannot be set.
- In successive picture shooting mode, the picture with REC VIEW is not displayed.

Setting beep/alert sound

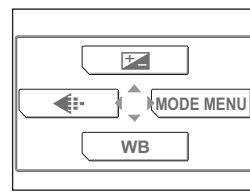
This function lets you adjust the volume of the beep sound used for warnings and button operations, or turn off.



1 Press the OK/MENU button.

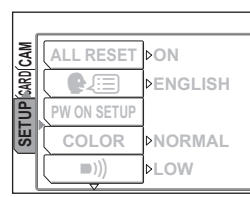
The top menu is displayed.

Press ▶ to go to the [MODE MENU].



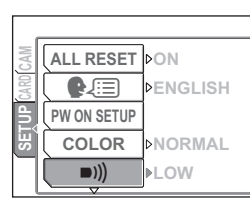
2 Press ▲ or ▼ to select the [SETUP] tab.

Press ▶ to go to the [SETUP] menu.



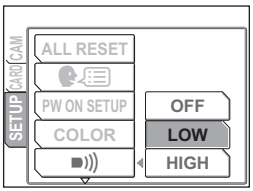
3 Press ▲ or ▼ to select [🔊].

Press ▶ to go to the beep sound settings.



4

Press ◁ or ▷ to select [OFF], [LOW] or [HIGH].



Tips

- To turn off the beep sound, select [OFF].

5

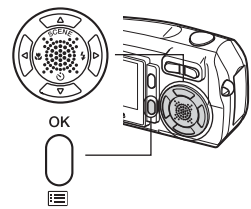
Press the OK/MENU button.

The beep sound is set to the selected level.

Press the OK/MENU button again to exit the menu.

Setting shutter sound

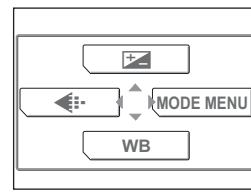
You can select from three different sounds to use as the shutter sound. You can also set the sound level to [HIGH] or [LOW].



1 Press the OK/MENU button in shooting mode.

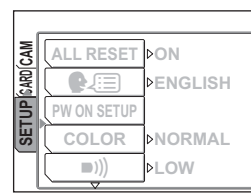
The top menu is displayed.

Press ▷ to go to [MODE MENU].



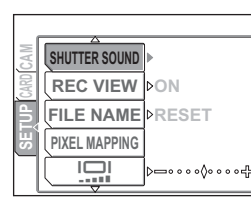
2 Press △ or ▽ to select the [SETUP] tab.

Press ▷ to go to the [SETUP] menu.



3 Press △ or ▽ to select [SHUTTER SOUND].

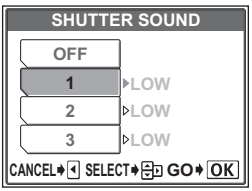
Press ▷ to go to the shutter sound settings.



4

Press ▲ or ▼ to select [1], [2], [3] or [OFF].

If you have selected a shutter sound ([1], [2] or [3]), press ▶ to set the sound level.



Tips

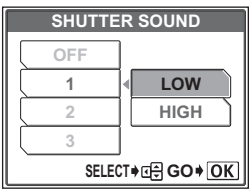
- To turn off the sound, select [OFF].

5

Press ▲ or ▼ to select [HIGH] or [LOW] and then the OK/MENU button.

Again, press the OK/MENU button twice to exit the menu.

The shutter sound is set.

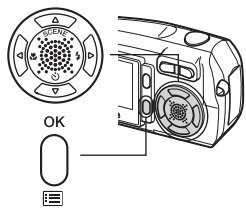


Caution

- The shutter sound cannot be selected in the movie shooting mode.

Setting volume

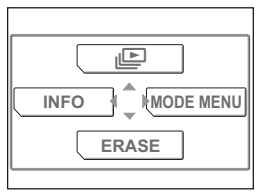
You can adjust the volume when playing back a still picture with sound or a movie.



1 Press the OK/MENU button in playback mode.

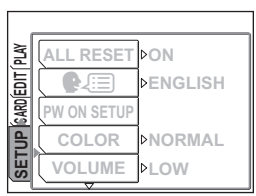
The top menu is displayed.

Press ▶ to go to [MODE MENU].



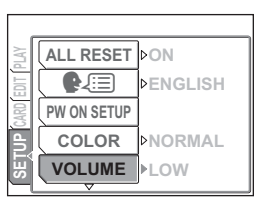
2 Press ▲ or ▼ to select the [SETUP] tab.

Press ▶ to go to the [SETUP] menu.

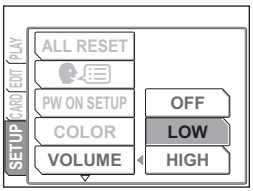


3 Press ▲ or ▼ to select [VOLUME].

Press ▶ to go to the volume setting.



4 Press ▲ or ▼ to select [HIGH], [LOW] or [OFF].



Tips

- To disable the sound, select [OFF].

5 Press the OK/MENU button.

The volume is set.

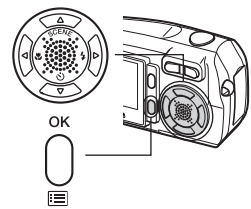
Press the OK/MENU button again to exit the menu.

Tips

- [♪] is displayed on the monitor while recorded pictures with sound are played back.

Setting power-on screen and sound

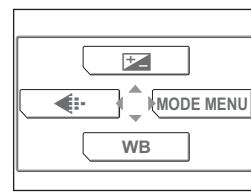
You can set the screen to be displayed and sound to be played each time the camera is turned on.



1 Press the OK/MENU button.

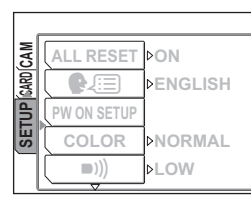
The top menu is displayed.

Press ▷ to go to [MODE MENU].



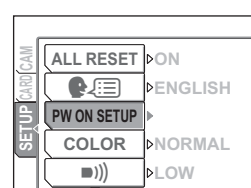
2 Press △ or ▽ to select the [SETUP] tab.

Press ▷ to go to the [SETUP] menu.



3 Press △ or ▽ to select [PW ON SETUP].

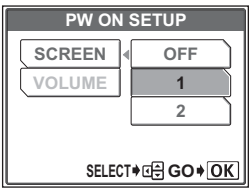
Press ▷ to go to the power-on screen and sound setting.



4

Press ▲ or ▼ to select [SCREEN] and then press ▶.

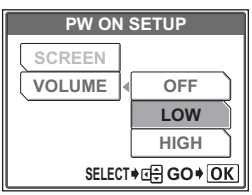
Press ▲ or ▼ to select [OFF], [1] or [2] and then press OK/MENU button.



5

Press ▲ or ▼ to select [VOLUME] and then press ▶.

Press ▲ or ▼ to select [OFF], [LOW] or [HIGH].



Tips

- [VOLUME] cannot be selected when [SCREEN] is set to [OFF].

6

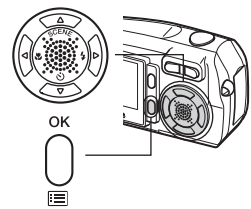
Press the OK/MENU button.

Again, press the OK/MENU button twice to exit the menu.

The screen and sound level are set.

Setting screen color

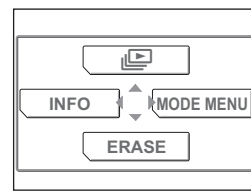
You can set the screen color displayed on the monitor to [NORMAL], [BLUE], [GREEN] or [PINK].



1 Press the OK/MENU button.

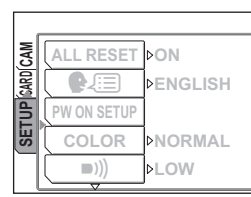
The top menu is displayed.

Press ▷ to go to [MODE MENU].



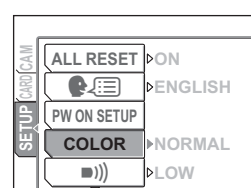
2 Press △ or ▽ to select the [SETUP] tab.

Press ▷ to go to the [SETUP] menu.



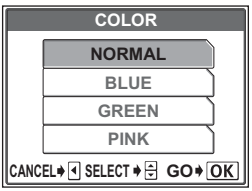
3 Press △ or ▽ to select [COLOR].

Press ▷ to go to the color settings.



4

Press ▲ or ▼ to select [NORMAL], [BLUE], [GREEN] or [PINK].



5

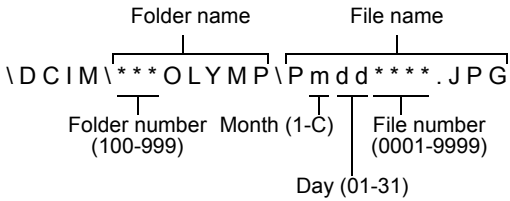
Press the OK/MENU button.

The screen color is set.

Press the OK/MENU button again to exit the menu.

Setting file names

For the pictures stored on the card, file names and folder names are automatically recorded by the camera. File and folder names are assigned as shown below, using a file number (0001-9999) and folder number (100-999), respectively.



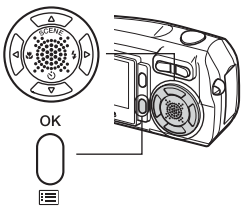
- Months January through September are expressed by the numbers 1 through 9, October by the letter A, November by B and December by C.

This function can be set to [RESET] or [AUTO] to determine how to assign file and folder numbers. Select the more convenient setting to transfer pictures to a computer.

RESET	This resets the file and folder numbers each time a card is inserted into the camera. The file number returns to “0001” and the folder number returns to “100.” **This is useful for managing pictures on different cards.**
AUTO	The file and folder numbers are assigned sequentially from the previous card. This prevents duplicate file names when managing multiple cards. **This is useful for managing all of your pictures with sequential numbers.**

Caution

- If the file number exceeds “9999,” a new folder will be created and file numbering will begin again from “0001.”
- If the file number reaches “9999” in a folder numbered “999,” no further pictures can be taken, even if the card is not yet full. Replace the card with new one.

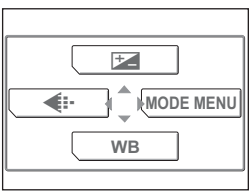


1

Press the OK/MENU button in shooting mode.

The top menu is displayed.

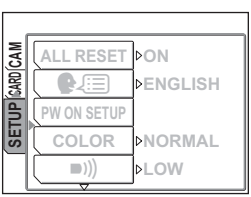
Press ▷ to go to [MODE MENU].



2

Press △ or ▽ to select the [SETUP] tab.

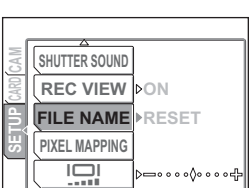
Press ▷ to go to the [SETUP] menu.



3

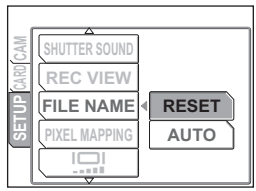
Press △ or ▽ to select [FILE NAME].

Press ▷ to go to the file name settings.



4

Press ◁ or ▷ to select [RESET] or [AUTO].



5

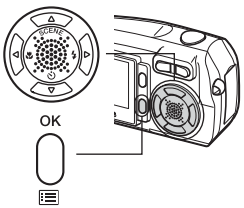
Press the OK/MENU button.

The file name is set to selected mode.

Press the OK/MENU button again to exit the menu.

Formatting a card

Formatting prepares the card to receive data from the camera. This camera may not recognize cards which have been formatted on a computer or another camera. Be sure to format the card with this camera.



Caution

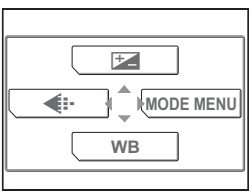
- All data stored on the card is erased when the card is formatted.
  Protected pictures are also erased. When formatting the cards with pictures stored, pay special attention not to erase them accidently.

1

Press the OK/MENU button.

The top menu is displayed.

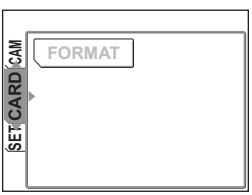
Press ▶ to go to [MODE MENU].



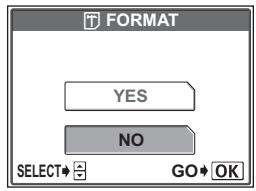
2

Press ▲ or ▼ to select the [CARD] tab.

Press ▶ to go to the [CARD] menu.



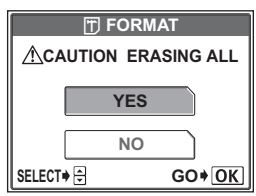
3 Press ▶.



Tips

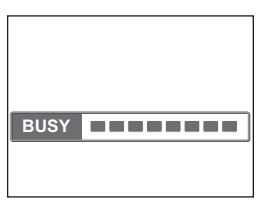
- The [FORMAT] screen is displayed in shooting mode.
- The card setup screen is displayed in playback mode. Press ▲ or ▼ to select [FORMAT] and press the OK/MENU button. The [FORMAT] screen is displayed.

4 Press ▲ to select [YES].



5 Press the OK/MENU button.

The [BUSY] bar is displayed while the card is being formatted.

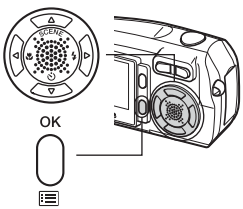


Caution

- Never open the battery compartment/card cover, or connect or disconnect the battery or AC adapter during formatting. Such action, may render the card unusable.

Adjusting brightness of monitor

This function lets you adjust the brightness of the monitor.

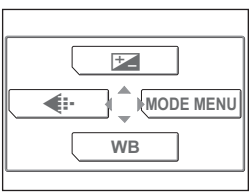


1

Press the OK/MENU button.

The top menu is displayed.

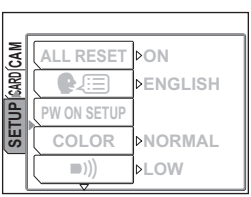
Press ▷ to go to [MODE MENU].



2

Press △ or ▽ to select the [SETUP] tab.

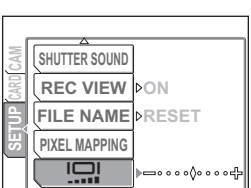
Press ▷ to go to the [SETUP] menu.



3

Press △ or ▽ to select [▭].

Press ▷ to go to the brightness settings.



4

While looking at the monitor, press ▲ or ▼ to adjust the brightness.

Tips

- Pressing ▲ brightens the monitor, and pressing ▼ darkens it.

5

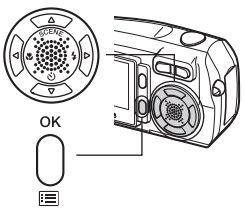
Press the OK/MENU button.

The brightness is set.

Press the OK/MENU button again to exit the menu.

Adjust CCD and image processing functions

The Pixel Mapping feature allows the camera to check and adjust the CCD and image processing functions. This should be performed once a year. Wait for about a minute after taking a picture or playing back a picture to allow for proper performance of the Pixel Mapping function.



Tips

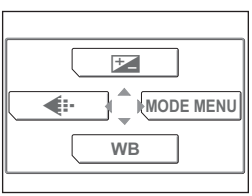
- The camera was adjusted at the factory before shipment and does not need to be adjusted immediately after purchase.

1

Press the OK/MENU button in shooting mode.

The top menu is displayed.

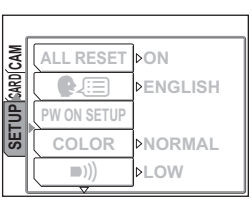
Press ▷ to go to [MODE MENU].



2

Press △ or ▽ to select the [SETUP] tab.

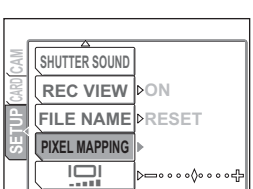
Press ▷ to go to the [SETUP] menu.



3

Press △ or ▽ to select [PIXEL MAPPING].

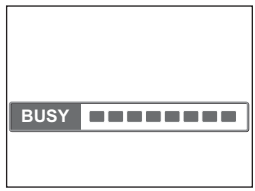
Press ▷ to go to the pixel mapping settings.



4 Press the OK/MENU button.

The [BUSY] bar is displayed during Pixel Mapping process and the camera is adjusted.

Press the OK/MENU button again to exit the menu.



Caution

- If you accidentally turn the camera off during Pixel Mapping process, start again from step 1.

4 Printing Pictures

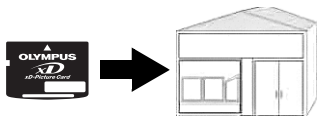
Describes how to print pictures taken with the camera in two ways.
One is to print using the Digital Print Order Format (DPOF) and the other is using a PictBridge compatible printer.

Selecting printing method

Printing without using a computer

➔ You can also use the printing service offered by photo labs.

- You can have the pictures on the card printed at a photo lab. If you make print reservations (DPOF) with the camera, you can get pictures printed according to the print reservation data. ☞"Making print reservations 🖨" (P. 105)



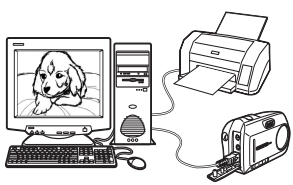
➔ You can also print pictures directly with a PictBridge-compatible printer. (Direct printing)

- By connecting the camera to a PictBridge-compatible printer with the USB cable, you can print out recorded pictures directly.
☞"Printing with PictBridge-compatible printer" (P. 112)

Printing using a computer

➔ You can print pictures on a printer connected to the computer.

- You can transfer the pictures from the card to the computer and print them. Printing is easy with OLYMPUS Master that came with your camera.
☞"Using provided OLYMPUS Master software" (P. 131)



Making print reservations

You can specify pictures and the number of prints on the card. Take the card containing this print reservation information to a DPOF-support photo lab for printing. You can also print pictures at home if your printer is DPOF-compatible.

There are two methods of reservation, all pictures can be reserved [ALL] (all-frame reservations), or each frame can be selected and reserved separately [] (single-frame reservations).

☞"All-frame reservation ALL" (P. 106)
☞"Single-frame reservation " (P. 108)

What is DPOF?

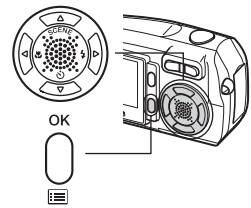
DPOF is an abbreviation for Digital Print Order Format. DPOF is the format used to record information relating to which frames have been selected, how many prints are required and whether the date and time are to be included. The DPOF print reservation data is stored on the card.

Caution

- DPOF reservations for 999 frames can be made on one card.
- Saving print reservation data may take considerable time.
- DPOF reservations set by another device cannot be changed by this camera. Make changes using the original device.
- If a card contains DPOF reservations set by another device, entering reservations using this camera may overwrite the previous reservations.

All-frame reservation

Use this feature to print all the pictures stored on the card. You can select whether or not to include the shooting date and time. One print will be made of each frame. Use single-frame reservation to reserve multiple prints of a particular frame.



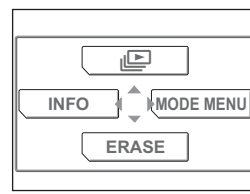
Tips

- You cannot make print reservations for pictures with the (movie) indication.

1 Press the OK/MENU button in playback mode.

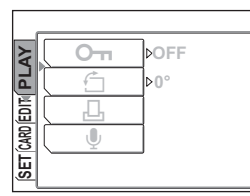
The top menu is displayed.

Press ▶ to go to [MODE MENU].



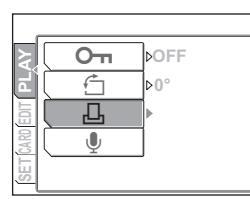
2 Press ▲ or ▼ to select the [PLAY] tab.

Press ▶ to go to the [PLAY] menu.



3 Press ▲ or ▼ to select [凸].

Press ▶ to go to the print order settings.

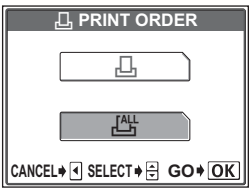


Tips

- If print reservations have already been made, the [凸PRINT ORDER SETTING] screen appears, giving you the choice of keeping or resetting the data.

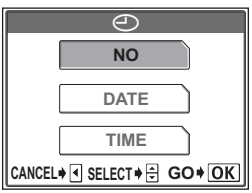
4

Press ▲ or ▼ to select [ALL] and press the OK/MENU button.



5

Press ▲ or ▼ to select whether the date or time is to be included and press the OK/MENU button.



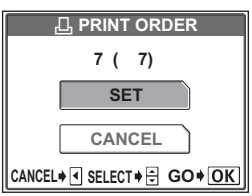
NO: The pictures are printed without the date and time.
DATE: The pictures are printed with the shooting date.
TIME: The pictures are printed with the shooting time.

6

Press ▲ or ▼ to select [SET] and press the OK/MENU button.

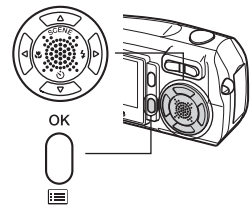
The print reservation data is stored on the card.

Press the OK/MENU button again to exit the menu.



Single-frame reservation

Use this function to select the pictures you want to print one at a time. You can set the desired number of prints for each picture or change previous reservations.



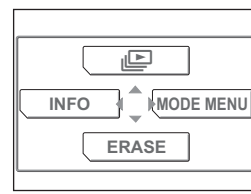
Tips

- You cannot make print reservations for pictures with the (movie) indication.

1 Press the OK/MENU button in playback mode.

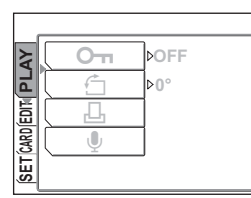
The top menu is displayed.

Press ▶ to go to [MODE MENU].



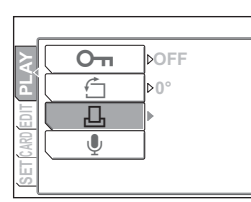
2 Press ▲ or ▼ to select the [PLAY] tab.

Press ▶ to go to the [PLAY] menu.



3 Press ▲ or ▼ to select [🖨].

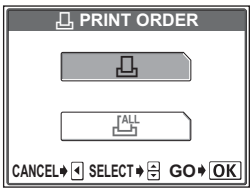
Press ▶ to go to the print order settings.



Tips

- If print reservations have already been made, the [🖨PRINT ORDER SETTING] screen appears, giving you the choice of keeping or resetting the data.

4 Press ▲ or ▼ to select [🖨] and press the OK/MENU button.



5 Press ◀ or ▶ to select the picture you want to print.

Press ▲ or ▼ to select the number of prints.

Tips

- The maximum number of prints you can set is 10. If you select 0, no prints will be made.

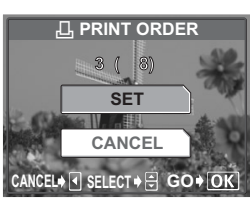
6 Press the OK/MENU button.

7 Press ▲ or ▼ to select whether the date/time is printed or not, and press the OK/MENU button.

NO: The pictures are printed without the date and time.
DATE: The pictures are printed with the shooting date.
TIME: The pictures are printed with the shooting time.

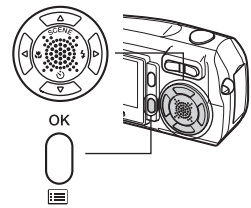
8 Press ▲ or ▼ to select [SET] and press the OK/MENU button.

The print reservation data is stored on the card.
Press the OK/MENU button again to exit the menu.



Canceling print reservations

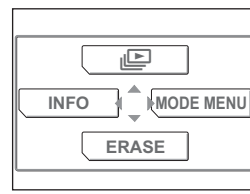
This function lets you cancel all the print reservation data stored on the card.



1 Press the OK/MENU button in playback mode.

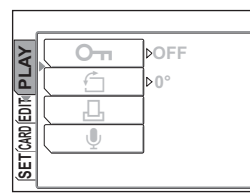
The top menu is displayed.

Press ▶ to go to [MODE MENU].



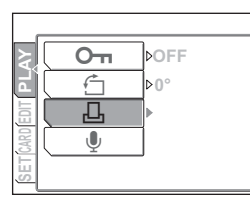
2 Press ▲ or ▼ to select the [PLAY] tab.

Press ▶ to go to the [PLAY] menu.

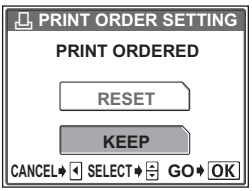


3 Press ▲ or ▼ to select [🖨].

Press ▶ to go to the print order settings.

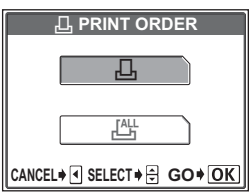


4 Press ▲ or ▼ to select [RESET] and press the OK/MENU button.



5 Press ◀ to return to PLAY menu.

Press OK/MENU button to exit the menu.



Using the direct printing function

By connecting the camera to a PictBridge-compatible printer with the USB cable, you can print out recorded pictures directly. With the camera connected to the printer, select the pictures you want to print and set the number of prints on the camera's monitor. It is also possible to print out pictures using the print reservation data.
☞"Making print reservations 🖨" (P. 105)

To find out if your printer is compatible with PictBridge or not, refer to the printer's instruction manual.

What is PictBridge?

It is the standard for connecting digital cameras and printers of different manufacturers and printing out pictures directly.

What is STANDARD setting?

All printers that support PictBridge have standard print settings. Selecting [🖨STANDARD] on the settings screen (P. 116-126), pictures are printed according to these settings. See the instruction manual of your printer for its standard settings or contact the printer manufacturer.

Tips

- For details of printing paper types, ink cassettes, etc., refer to the printer's instruction manual.

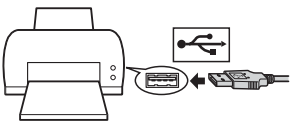
Caution

- You are recommended to use an AC adapter (sold separately) when printing pictures. If you use the battery, make sure that it is fully charged. If the camera stops operating while communicating with the printer, the printer may not work properly or picture data may be lost.
- Movies cannot be printed.
- The camera will not enter sleep (stand-by) mode when the USB cable is connected.

Connecting the camera to a printer

Use the USB cable provided to connect the camera to a PictBridge-compatible printer.

1 Turn the printer on and plug the labeled end of the USB cable into the printer's USB port.

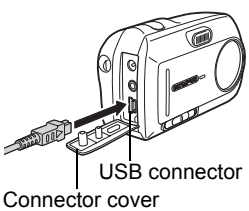


Tips

- For details of how to turn the printer on and locate the USB port, refer to the printer's instruction manual.

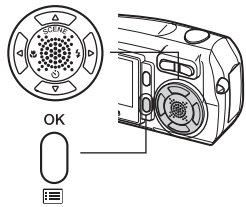
2 Plug the other end of the USB cable into the USB connector on the camera.

- The camera turns on automatically.
- The camera's monitor turns on and the screen for selecting the destination of the USB cable is displayed.



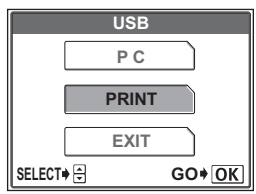
3

Press ▲ or ▼ to select [PRINT] and press the OK/MENU button.



[ONE MOMENT] is displayed, then the [PRINT MODE SELECT] screen is displayed on the monitor. Make the print settings using the camera's monitor.

☞ Go to "Printing pictures" (P. 115)

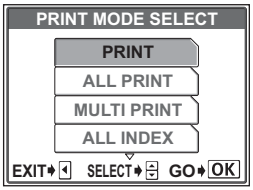


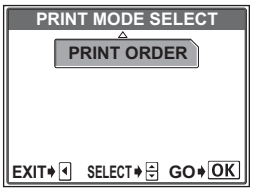
Caution

- If [PC] is selected accidentally, unplug the USB cable and start over from step 1.
- You may be able to print even with a non-PictBridge-incompatible printer. Contact the printer's manufacturer for details.

Printing pictures

When the camera is properly connected to a PictBridge-compatible printer, the [PRINT MODE SELECT] screen is displayed on the monitor. Use this screen to select the print mode. You can choose from the following print modes.





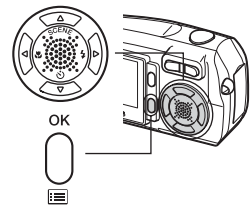
PRINT	Prints the selected picture. ☞"PRINT mode/MULTI PRINT mode" (P. 118)
ALL PRINT	Prints all the pictures stored on the card. ☞"ALL PRINT mode" (P. 122)
MULTI PRINT	Prints the same picture in multiple layout format on one paper. ☞"PRINT mode/MULTI PRINT mode" (P. 118)
ALL INDEX	Prints an index of all the pictures stored on the card. ☞"ALL INDEX mode/PRINT ORDER mode" (P. 125)
PRINT ORDER	Prints the pictures according to the print reservation (DPOF) data on the card. If no print reservations (P. 105) have been made, this option is not available. ☞"ALL INDEX mode/PRINT ORDER mode" (P. 125)

Print modes and each setting

Available printing modes, paper sizes, etc., may vary depending on the printer you use. Please consult with the services of your printer's manufacturer or to the printer manual.

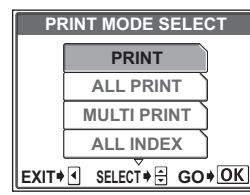
Easiest Printing

The easiest procedure to print a picture taken with the camera is described below.



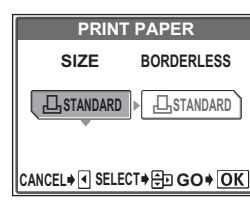
1 With the [PRINT MODE SELECT] screen displayed, press ▲ or ▼ to select [PRINT], then press the OK/MENU button.

The [PRINT PAPER] screen is displayed.



2 Press ▲ or ▼ to select the paper size, then press ▶.

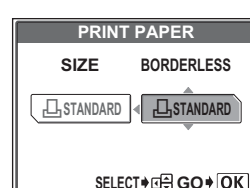
When the [PRINT PAPER] screen is not displayed, [SIZE], [BORDERLESS] and [PICS/SHEET] are set to [STANDARD]. Go to step 4.



3 Press ▲ or ▼ to select [BORDERLESS] or not and press the OK/MENU button.

OFF ( ): The picture is printed inside a blank frame.

ON ( ): The picture is printed filling the entire page.

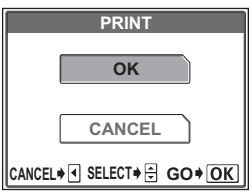


4

Press ◁ or ▷ to select the picture you want to print, and press OK/MENU button.

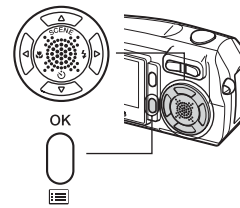
5

Press △ or ▽ to select [OK] and press the OK/MENU button.



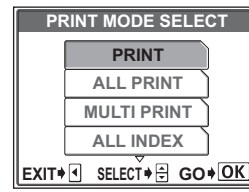
- Printing starts.
- To return to the [PRINT MODE SELECT] screen, select [CANCEL] and press the OK/MENU button.
- When printing is finished, return to step 4. When you want to print more pictures, repeat steps 4 and 5.

PRINT mode/MULTI PRINT mode



1 With the [PRINT MODE SELECT] screen displayed, press ▲ or ▼ to select [PRINT] or [MULTI PRINT], then press the OK/MENU button.

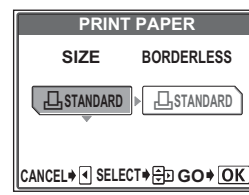
The [PRINT PAPER] screen is displayed.



2 Press ▲ or ▼ to select the paper size, then press ▶.

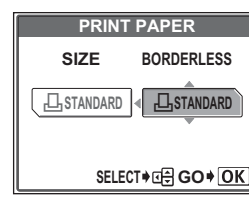
PRINT mode: Go to step 3.
MULTI PRINT mode: Go to step 4.

When the [PRINT PAPER] screen is not displayed, [SIZE], [BORDERLESS] and [PICS/SHEET] are set to [STANDARD]. Go to step 5.



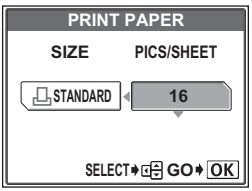
3 Press ▲ or ▼ to select [BORDERLESS] or not and press the OK/MENU button. Go to step 5.

OFF ( ): The picture is printed inside a blank frame.
ON ( ): The picture is printed filling the entire page.



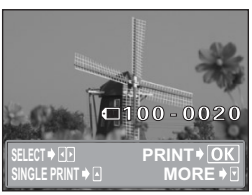
4

Press ▲ or ▼ to select [PICS/SHEET] and press the OK/MENU button.



5

Press ◀ or ▶ to select the picture you want to print.



Tips

- Press W side of the zoom button to display the index. You can then select the pictures you want to print from the index.

6

Select the print reservation method.

SINGLE PRINT: Makes a single-frame print reservation for the selected picture according to standard settings. One copy is printed.

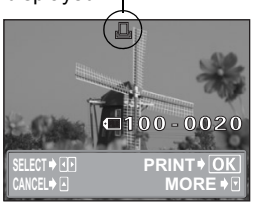
MORE: Sets the number of prints of the selected picture in the print reservation data. You can also add the date or file name.

Setting a SINGLE PRINT reservation

Press ▲.

- Press ▲ when the picture with [🖨] is displayed to cancel the reservation.

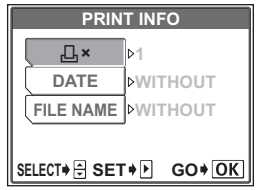
Print reservation mark is displayed.



Setting MORE print reservations

① Press ▽.
- The [PRINT INFO] screen is displayed.

② Press △ or ▽ to select the item you want to set, then press ▷.
- Press △ or ▽ to change the setting, and press the OK/MENU button.



x: Sets the number of prints. You can select up to 10 prints.

DATE ( ): If you select [WITH], pictures are printed with the date.

FILE NAME ( ): If you select [WITH], pictures are printed with the file name.

Tips

- [DATE] and [FILE NAME] are not available in [MULTI PRINT] mode.

③ When you have finished all the settings for [MORE], press the OK/MENU button.
- The screen displayed in step 5 appears.
- To print more than one picture in [PRINT] and/or [MULTI PRINT] mode, repeat steps 5 and 6 and make "single and/or multiple print reservations" for all the pictures you want to print.
- is displayed in [MULTI PRINT] mode.

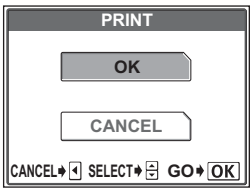
The settings you have made are displayed.

7 Press the OK/MENU button.

The [PRINT] screen is displayed.

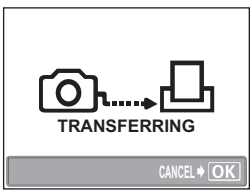
8 Print the pictures.

- Press ▲ or ▼ to select [OK] or [CANCEL] and press the OK/MENU button.



OK: Printing starts.
CANCEL: The settings are canceled and the monitor returns to the [PRINT MODE SELECT] screen.

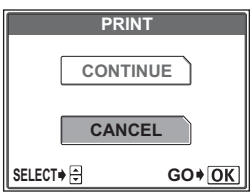
- When printing is finished, the monitor returns to the [PRINT MODE SELECT] screen.
  ☞"Exiting direct printing" (P. 127)



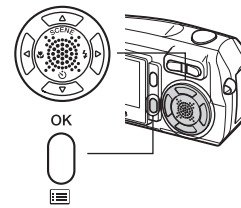
Screen during data transfer

To cancel printing

Pressing the OK/MENU button during print data transfer displays the screen for selecting whether to continue or cancel printing. To cancel printing, press ▲ or ▼ to select [CANCEL] and press the OK/MENU button.

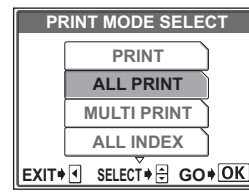


ALL PRINT mode



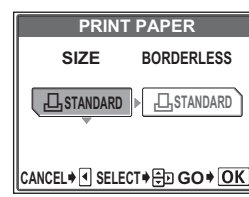
1 With the [PRINT MODE SELECT] screen displayed, press ▲ or ▼ to select [ALL PRINT] mode, then press the OK/MENU button.

The [PRINT PAPER] screen is displayed.



2 Press ▲ or ▼ to select the paper size, then press ▶.

When the [PRINT PAPER] screen is not displayed, [SIZE] and [BORDERLESS] are set to [STANDARD]. Go to step 4.

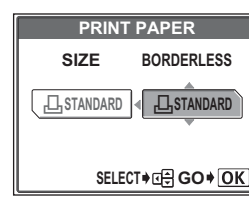


3 Press ▲ or ▼ to select [BORDERLESS] and press the OK/MENU button.

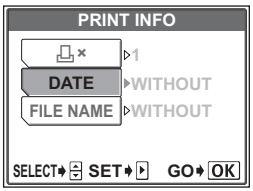
OFF ( ): The picture is printed inside a blank frame.

ON ( ): The picture is printed filling the entire page.

The [PRINT INFO] screen is displayed.



4 Press ▲ or ▼ to select the item you want to set, then press ▶.



- Press ▲ or ▼ to change the setting, and press the OK/MENU button.
- If [PRINT INFO] cannot be set with your printer, go to step 6.
- One copy is printed for each picture.

DATE (🕘): If you select [WITH], pictures are printed with the date.

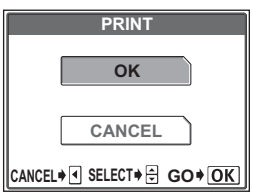
FILE NAME (📄): If you select [WITH], pictures are printed with the file name.

5 Press the OK/MENU button.

The [PRINT] screen is displayed.

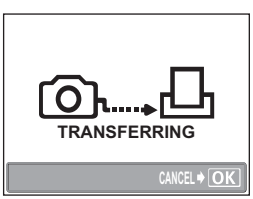
6 Print the pictures.

- Press ▲ or ▼ to select [OK] or [CANCEL] and press the OK/MENU button.



OK: Printing starts.

CANCEL: The settings are canceled and the monitor returns to the [PRINT MODE SELECT] screen.

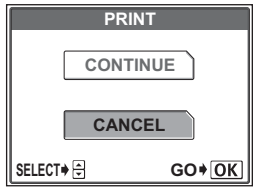


Screen during data transfer

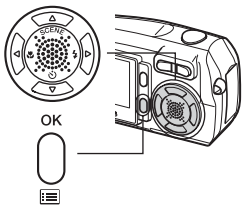
- When printing is finished, the monitor returns to the [PRINT MODE SELECT] screen.
  ☞"Exiting direct printing" (P. 127)

To cancel printing

Pressing the OK/MENU button during print data transfer displays the screen for selecting whether to continue or cancel printing. To cancel printing, press ▲ or ▼ to select [CANCEL] and press the OK/MENU button.

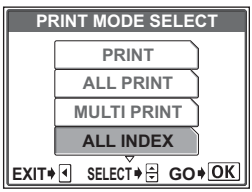


ALL INDEX mode/PRINT ORDER mode



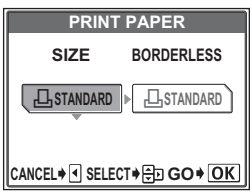
1 With the [PRINT MODE SELECT] screen displayed, press ▲ or ▼ to select [ALL INDEX] or [PRINT ORDER], then press the OK/MENU button.

The [PRINT PAPER] screen is displayed.



2 Press ▲ or ▼ to select the paper size, then press ▶.

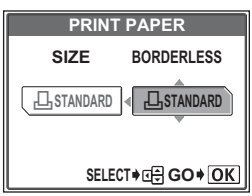
When the [PRINT PAPER] screen is not displayed, [SIZE] and [BORDERLESS] are set to [STANDARD] (printer default settings). Go to step 4.



3 Press ▲ or ▼ to select [BORDERLESS] or not and press the OK/MENU button.

OFF ( ): The picture is printed inside a blank frame.

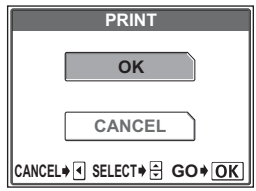
ON ( ): The picture is printed filling the entire page.



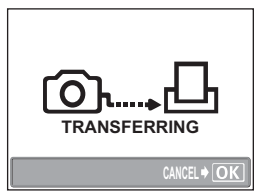
- The [PRINT] screen is displayed.
- In [ALL INDEX] mode, [BORDERLESS] cannot be selected. Go to step 4.

4 Print the pictures.

- Press ▲ or ▼ to select [OK] or [CANCEL] and press the OK/MENU button.



OK: Printing starts.
CANCEL: The settings are canceled and the monitor returns to the [PRINT MODE SELECT] screen.



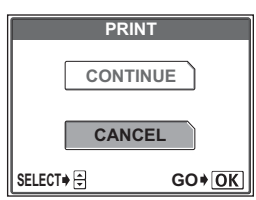
Screen during data transfer

- When printing is finished, the monitor returns to the [PRINT MODE SELECT] screen.
☞"Exiting direct printing" (P. 127)

To cancel printing

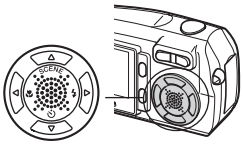
Pressing the OK/MENU button during print data transfer displays the screen for selecting whether to continue or cancel printing.

To cancel printing, press ▲ or ▼ to select [CANCEL] and press the OK/MENU button.

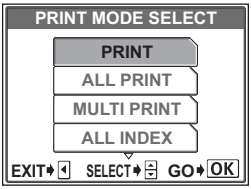


Exiting direct printing

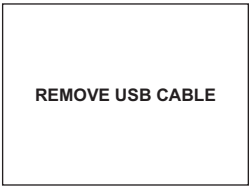
When you have finished printing, disconnect the camera from the printer.



1 With the [PRINT MODE SELECT] screen displayed, press ⊛.

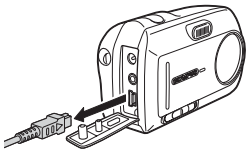


A message is displayed.

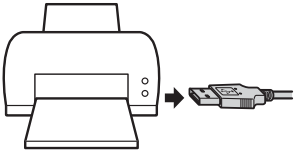


2 Unplug the USB cable from the camera.

The camera turns off.



3 Unplug the USB cable from the printer.



MEMO

5 Connecting Computer

This chapter describes how to transfer pictures stored on the card to computer, and how to use various functions of OLYMPUS Master.

For details, refer to the on-line “Help” and the manual of OLYMPUS Master.

Operational Sequence

You can transfer images from the card in the camera to your computer by connecting the camera to the computer with the supplied USB cable.

Installing OLYMPUS Master ☞P.132

↓

Connecting the camera to computer using supplied USB cable ☞P.138

↓

Activating OLYMPUS Master ☞P.140

↓

Saving pictures on computer ☞P.142

↓

Disconnecting the camera from your computer ☞P.143

Caution

- Use of the AC adapter (sold separately) is recommended when using the camera with a computer. If you use the battery, make sure that it is fully charged. Note that the camera's battery will continuously discharge (use energy) when connected (communicating) with a computer. If the battery power is exhausted, the camera will stop operating and the computer may malfunction and the image data (files) being transferred may be lost.
- Never open the battery compartment/card cover, or connect or disconnect the AC adapter while the camera is connected to a computer.
- If the camera is connected to a computer via a USB hub, reliable operation cannot be guaranteed. If a malfunction should occur, connect the camera directly to the computer without using the USB hub.

Tips

Utilizing the images imported in a computer

➔ Be sure to copy the images to the computer before editing the images using graphic software. Depending on the application software used, editing images (such as rotating) on the card may cause damage to the file data on the card.

If the image data cannot be transferred from the card in the camera connected using the USB cable

➔ Depending on the operating system of your computer, using an xD-Picture Card adapter (sold separately) allows you to transfer the image data from the xD-Picture Card to your computer. For details, see OLYMPUS homepage.

Using provided OLYMPUS Master software

The CD-ROM provided with the camera includes the OLYMPUS Master application software for image editing and organizing your photos and movies.

What is OLYMPUS Master?

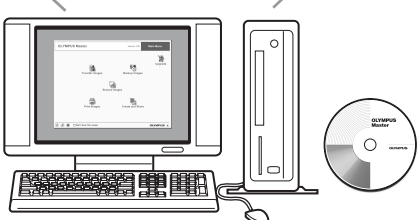
OLYMPUS Master is for use on computers to view, edit and organize the pictures taken with the digital camera. When this software is installed, the following operations can be performed.

You can transfer the image data from the camera or media.

You can sort out and control the images by displaying them in a chronological index format. Using the shooting date/time or keyword, you can quickly find the desired images.

You can view the pictures and movies, and you can also enjoy the slideshow and play back the sound.

You can edit the images by rotating, reversing, trimming, resizing, or adjusting color balance.



You can compensate the images with the filter function and compensation function.

You can compose a panoramic picture using the pictures taken in the panorama mode.

Using the printer, you can print various items such as the indexes, calendars and post cards.

For other functions and operations, refer to the on-line “Help” of OLYMPUS Master and the related sections of this manual.

Installing OLYMPUS Master

Check the operating system of your computer before installing OLYMPUS Master.
For the compatibility of a new operating system, see OLYMPUS homepage.

Operational Environment

Windows

Operating System	Windows 98SE/Me/2000 Professional/XP
CPU	Pentium III 500MHz or better
RAM	128 MB or greater (256 MB or greater recommended)
Hard disk space	300 MB or greater
Connector	USB port
Monitor	1024 × 768 dots or higher, 65,536 colors or higher

Caution

- This software is for use on computers with a pre-installed Operating System.
- For Windows XP systems, only Windows XP Professional/Home Edition is supported.
- For Windows 2000 systems, only Windows 2000 Professional is supported.
- If you use Window 98SE, the USB driver is automatically installed.
- If you install using Windows 2000 Professional/XP, log on as a user with administrators' privileges.
- QuickTime version 6 or later and Internet Explorer version 6 or later should be installed.

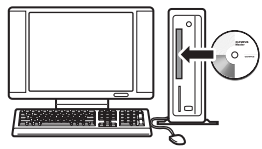
Macintosh	
Operating System	Mac OS 10.2 or later
CPU	Power PC G3 500MHz or greater
RAM	128 MB or greater (256 MB or greater recommended)
Hard disk space	300 MB or greater
Connector	USB port
Monitor	1024 × 768 dots or higher, 32,000 colors or higher

Caution

- Macintosh not originally equipped with a USB port, normal operations cannot be guaranteed on computers when the camera is connected using the USB connectors.
- QuickTime version 6 or later and Safari version 1.0 or later should be installed.
- Before starting the following operations, be sure to unmount the media by dragging into the trash. Failure to do so may cause the computer to function unstably and require restarting.
  - unplugging the connection cable used between the camera and computer
  - turning the camera off
  - opening the battery compartment/card cover on the camera

Windows

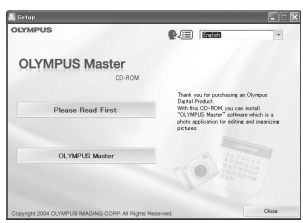
1 Insert the CD-ROM into the CD-ROM drive.



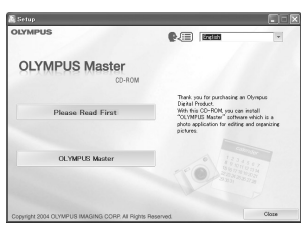
The OLYMPUS Master installation window is displayed.

If the installation window does not display automatically, double click the [My Computer] icon on your desktop and then click the CD-ROM icon.

2 Select the language to be installed.



3 Click [OLYMPUS Master].

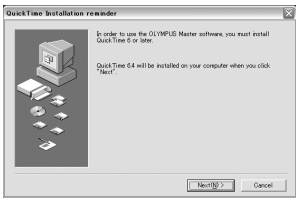


The QuickTime installation window automatically appears.

QuickTime is required to operate OLYMPUS Master. If your computer has the QuickTime 6 or later version installed, the installation window will not be displayed. Go to step 5.

4

Click [Next], the operation message window appears. Operate according to the messages.

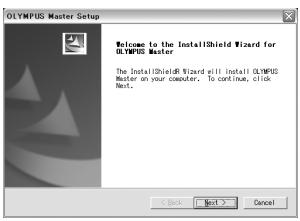


When the software license agreement window is displayed, review the agreement and click [Agree].

The OLYMPUS Master installation window will be displayed.

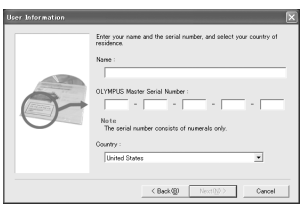
5

Operate according to the window messages.



When the software license agreement window is displayed, review the agreement and click [Yes].

When the user information window is displayed, type in [Name] and the [OLYMPUS Master Serial Number]. Then, select your resident country and click [Next].



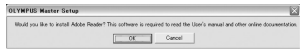
The serial number is shown on the label pasted on the CD-ROM package.

When the DirectX license agreement window is displayed, review the contents and click [Yes].

The Adobe Reader installation dialog window appears asking whether you wish to install it or not.
Adobe Reader is required to view the manual. If Adobe Reader is already installed in your computer, the installation dialog window does not appear.

6

If you wish to install Adobe Reader, click [OK].



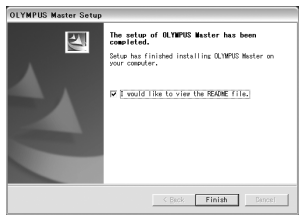
If you do not wish to install, click [Cancel], and go to step 8.

The Adobe Reader installation window appears.

7

Operate according to the window messages.

The installation completion window appears.



8

Click [Finish].

The display returns to the initial window.

9

Select the option to restart the computer immediately and click [Finish]. Remove the CD-ROM from the CD-ROM drive and store it.

Macintosh

1 Insert the CD-ROM into the CD-ROM drive.

The CD-ROM window is displayed.

If the CD-ROM window is not displayed, double click the [CD-ROM] icon on the desktop labeled [OLYMPUS Master].

2 Double click the [Installer] icon.

Operate according to the window messages.

The installer of OLYMPUS Master is activated.

When the software license agreement window is displayed, review the agreement and click [Continue] and [Agree].

The installation completion window appears.

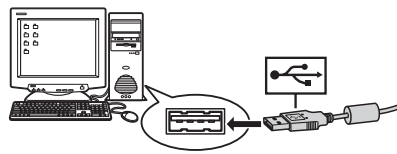
3 Click [Finish].

4 Eject the CD-ROM from the CD-ROM driver and click [Restart].

Connecting the camera to computer

Use the provided USB cable to connect the camera to a computer.

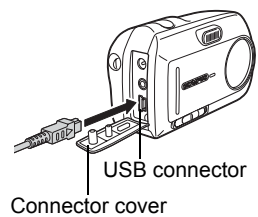
1 Connect the labeled end of the USB cable to the USB port on the computer.



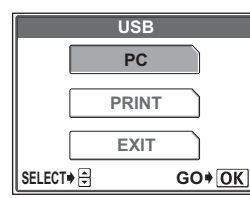
For the location of the USB port on your computer, see the manual for the computer.

2 Connect the other end of the USB cable to the USB connector on the camera.

The camera turns on automatically and the camera monitor turns on to display the connection selection window for the USB cable.



3 Press ▲ or ▼ to select [PC] and press the OK/MENU button.



4 The computer recognizes the camera as a new device.

- Windows 98SE/Me/2000

  When the camera is connected to your computer for the first time, the computer will automatically perform a motion to recognize the camera, and a completion message will be displayed.

  Click [OK] to complete the message.

  The computer recognizes the camera as a (Removable Disk).

- Windows XP

  When the computer has been connected to the camera, a window is displayed, prompting you to select the operation for the image files. Click [Cancel] because the images will be transferred using OLYMPUS Master software.

- Mac OS X

  The image files are usually controlled by an iPhoto application. When the camera is connected for the first time, the iPhoto application is activated, so quit it.

Caution

- When the camera is connected to a computer, the camera does not function as a camera.

Activating OLYMPUS Master

Windows

1 Double click the (OLYMPUS Master) icon on the desktop.

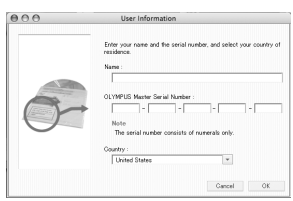
The main menu window appears automatically.

Macintosh

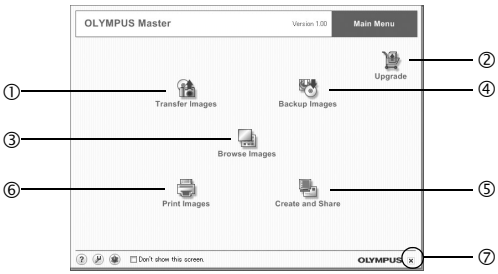
1 Double click the (OLYMPUS Master) icon in the "OLYMPUS Master" folder.

The main menu window appears automatically.

The first time the computer is activated, the user information window appears, input [Name] and [OLYMPUS Master Serial Number], then select your resident country.



OLYMPUS Master main menu



① **[Transfer Images] button**
Use to transfer images from the camera or media.

② **[Upgrade] button**
Use to display the dialog box for upgrading to OLYMPUS Master Plus.

③ **[Browse Images] button**
Use to display the browse image.

④ **[Backup Images] button**
Use to back up images.

⑤ **[Create and Share] button**
Use to display the enjoy menus.

⑥ **[Print Images] button**
Use to display the print menus.

⑦ **[Close] button**
Use to close OLYMPUS Master application.

Closing OLYMPUS Master

1 Click the ✖ (Close) button on the main menu.

The OLYMPUS Master application closes.

Transferring and storing the camera images on a computer

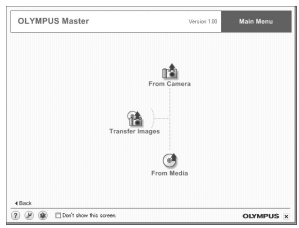
Storing camera images on a computer.

1 In the OLYMPUS Master main menu, click the (Transfer Images) button.

The transferring source selection menu window appears.

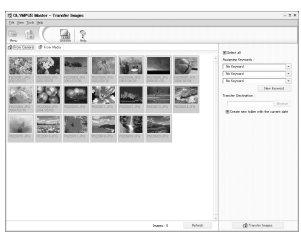
2 Click the (From Camera) button in the menu window.

The transferring source window appears. The list showing all the images on the card in the camera is displayed.



3 Select the image file, and click the [Transfer Images] button.

The confirmation message is displayed.



4 Click the [Browse Images Now] button.

The image transferred into the browse window is displayed.

To return to the main menus, click [Menu] in the browse window.

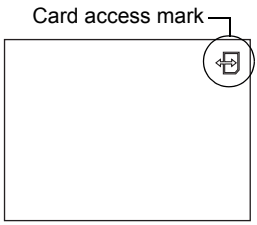
Caution

- The card access mark on the camera's monitor blinks red while the images are being transferred.
  Never open the battery compartment/card cover on the camera, or disconnect or connect the battery or AC adapter. Doing so may cause damage to the data in the card.

Disconnecting the camera from your computer

The camera can be disconnected after transferring the camera images.

1 Make sure that the card access mark on the camera's monitor is not displayed.

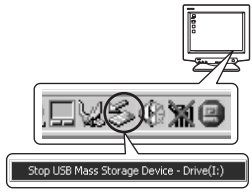


2 For Windows 98SE

1 Double click [My Computer], then right click [Removable Disk] to display the menus.

2 Click [Eject] in the menus.

For Windows Me/2000/XP

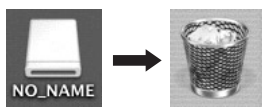


1 Click the [Eject Hardware] icon displayed on the control strip.

2 Click the displayed message.

3 When the [Safe to Remove Hardware] message is displayed, click [OK].

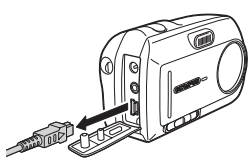
For Macintosh



1 Drag and drop the [NO_NAME] (or [NO_NAME] icon) on the desktop to [TRASH].

2 The icon showing the connection with the computer turns off.

3 Unplug the USB cable from the camera.



Caution

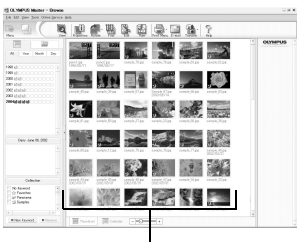
- For Windows Me/2000/XP, when the [Eject Hardware] menu is clicked, a warning message saying [Cannot Stop Camera] may appear. In this case, check to see if the camera image data is not being read or the application software used for opening the camera image file is not in use. Then, restart the operation of [Eject Hardware] and disconnect the cable.

Viewing still images/movies

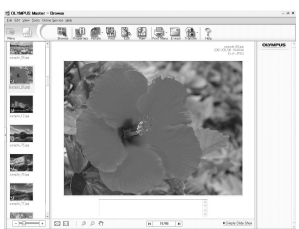
1 In the OLYMPUS Master main menu, click the (Browse Images) button.

The Browse Window is displayed.

2 Double click the thumbnail of the still picture you want to view.



- The display switches to view mode and the picture is enlarged.
- To return to the main menu, click [Menu] in the browse window.



Viewing movies

1 In the browse window, double click the thumbnail of the movie you want to view.

The display switches to view mode and the first frame of the movie is displayed.

2 Click the playback button ▷ at the bottom of the movie display to start the movie.

The operation of the other buttons is as follows:

	Button	Description
1	Playback slider	Move the slider to select a desired frame.
2	Time display	Displays the elapsed time in playback.
3	Playback/Pause button	Plays back the movie. Functions as the pause button during playback.
4	Previous frame button	Displays the previous frame.
5	Next frame button	Displays the next frame.
6	Stop button	Stops playing and returns to the fist frame.
7	Repeat button	Plays back the movie repeatedly.
8	Volume button	Displays the volume adjustment slider.

Printing images

There are many printing menus for the photos, indexes, postcards, calendars, etc. This section describes how to print photos.

1

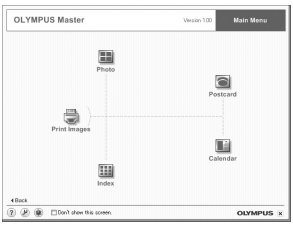
In the OLYMPUS Master main menu, click [Print Images].

The Print Menu window is displayed.

2

Click the (Photo) button.

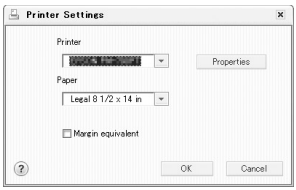
The Photo Print window is displayed.



3

Click [Settings] in the Photo Print window.

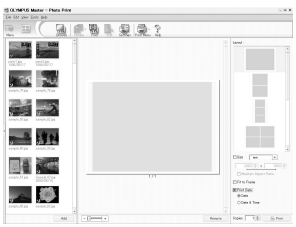
The Printer Settings dialog window is displayed. Set to the printer as required.



4

Select the layout and size of the photos to be printed.

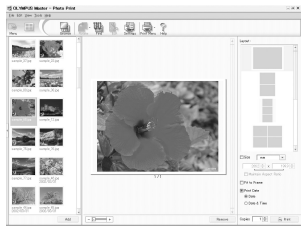
If you want to print the pictures with the shooting date and/or time, click the check box [Print Date], then select [Date] or [Date & Time].



5

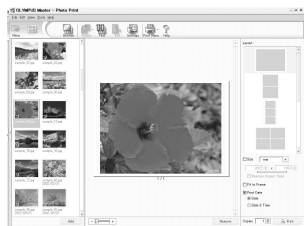
Select the thumbnail of the picture you want to print and click [Add].

The selected picture is displayed on the layout as a preview.



6

Set the number of prints.



7

Click [Print].

To return to the main menus, click [Menu] in the Photo Print window.

Transferring and storing camera images to a computer without using OLYMPUS Master application

This camera is supported by USB Mass Storage Class Device Standards. Therefore, you can transfer and store images by connecting the camera to a computer with the provided device specific USB cable without using OLYMPUS Master application.

The environment of the connectable computer is as follows.

Windows:

Windows 98/98SE/Me/2000 Professional/XP

Macintosh:

Mac OS 9.0-9.2/X

Caution

- Under the environment shown below, we cannot guarantee proper operation even if it is equipped with the USB connector.
  - Windows 95/NT 4.0
  - Up-graded Windows 98/98SE from Windows 95
  - Mac 8.6 or earlier versions (only for Mac OS 8.6 originally equipped with USB connector and USB MASS Storage Device Support 1.3.5 is confirmed for proper operation).
  - Computers with newly added USB connector using an expansion card etc.
  - Computers that do not originally come with an operating system installed or a home-made computer.
- A USB driver should be installed if you use Windows 98/98SE. Before connecting the camera to a computer using the USB cable, double-click [INSTALL.EXE] to install the USB driver from the folder (indicated below) on the provided OLYMPUS Master CD-ROM.
  (The Drive name of your computer):\USB

MEMO

6 Appendix

Troubleshooting, Camera Maintenance, Checking Functions and Specifications.

DANGER	**If the product is used without observing the information given under this symbol, serious injury or death may result.**
WARNING	**If the product is used without observing the information given under this symbol, injury or death may result.**
CAUTION	**If the product is used without observing the information given under this symbol, minor personal injury, damage to the equipment, or the loss of valuable data may result.**

Handling the camera

⚠ WARNING

- **Do not use the camera near flammable or explosive gases.**
  To avoid causing a fire or explosion, never use the camera near flammable or explosive gases.
- **Do not use the flash on people (infants, small children, etc.) at close range.**
  Use caution when taking flash pictures at close range. When you fire the flash, you must be at least 1m (3ft.) away from the faces of your subjects, especially when taking pictures of infants and small children. Firing the flash too close to the subject's eyes could cause a momentary loss of vision.
- **Keep young children and infants away from the camera.**
  Always use and store the camera out of the reach of young children and infants to prevent the following dangerous situations which could cause serious injury:
  - Becoming entangled in the camera strap, causing strangulation.
  - Accidentally swallowing the battery, cards or other small parts.
  - Accidentally firing the flash into their own eyes or those of another child.
  - Accidentally being injured by the moving parts of the camera.
- **Do not look at the sun or strong lights with the camera.**
  To avoid damaging your eyes, never aim the camera directly into the sun, or any other extremely bright light source.
- **Do not touch a charging battery or the battery charger until charging is finished and the battery has cooled.**
  The battery and battery charger become hot while charging. A specified AC adapter also becomes hot during long use. At these times, they may cause minor burns.
- **Do not use or store the camera in dusty or humid places.**
  Using or storing the camera in dusty or humid places may result in a fire or electric shock.

- **Do not cover the flash with a hand while firing.**
  Do not cover the flash with a hand while firing or touch it after it has just been fired. It may be hot and cause minor burns. Avoid using the flash for extended periods.
- **Do not take apart or modify the camera.**
  Never attempt to disassemble the camera. The internal circuits contain high voltage points which could cause serious burns or electrical shock.
- **Do not let water or foreign objects inside the camera.**
  If the camera is accidentally dropped in water, or if liquid is spilled into the camera, stop using it, allow it to dry, and then remove the battery. Contact the nearest authorized Olympus service center.

⚠ CAUTION

- **Stop using the camera immediately if you notice any unusual odors, noise, or smoke around it.**
  If you notice any unusual odors, noise, or smoke around the camera during operation, switch it off immediately — and disconnect a specified AC adapter (if attached). Allow the camera to sit idle for a few minutes to cool. Take the camera outdoors, away from flammable objects, and carefully remove the battery. Never remove the battery with bare hands, which may cause a fire or burn your hands. Contact the nearest Olympus service center immediately.
- **Do not use the camera with wet hands.**
  To avoid dangerous electrical shock, never hold or operate the camera with wet hands.
- **Do not leave the camera in places where it may be subject to extremely high temperatures.**
  Doing so may cause parts to deteriorate and, in some circumstances, cause the camera to catch fire. Do not use the charger or AC adapter if it is covered (such as a blanket). This could cause overheating, resulting in fire.
- **Handle the camera with care to avoid getting a low-temperature burn.**
  When the camera contains metal parts, overheating can result in a low-temperature burn. Pay attention to the following:
  - When used for a long period, the camera will get hot. If you hold on to the camera in this state, a low-temperature burn may be caused.
  - In places subject to extremely cold temperatures, the temperature of the camera's body may be lower than the environmental temperature. If possible, wear gloves when handling the camera in cold temperatures.
- **Be careful with the strap.**
  Be careful with the strap when you carry the camera. It could easily catch on stray objects — and cause serious damage.
- **Use only the AC adapter specified by Olympus.**
  Never use any AC adapter except one specified by Olympus. Using a different AC adapter may damage the camera or power source, or result in accidents or fire. Ensure the adapter used is designed for your region or country. For more information, contact the nearest Olympus service center or the store of purchase. Olympus makes no representations or warranties regarding any damages caused by AC adapters not recommended by Olympus.
- **Do not damage the power-supply cord.**
  Never pull or modify the power-supply cord of the AC adapter or accessories. Make sure only the plug is securely held during insertion and removal from the outlet. Stop using the camera immediately, and contact the nearest Olympus service center or the store of purchase if:
  - The power-supply cord becomes hot, or it gives off smoke or unusual odors.
  - The power-supply cord is cut or damaged, or the plug has a faulty contact.

Battery handling precautions

Follow these important guidelines to prevent batteries from leaking, overheating, burning, exploding, or causing electrical shocks or burns.

⚠ DANGER

- This camera uses a lithium ion battery specified by Olympus. Charge batteries with the specified charger. Do not use any other chargers.
- Never heat or incinerate batteries.
- Take precautions when carrying or storing batteries to prevent them from coming into contact with any metal objects such as jewelry, pins, fasteners, etc.
- Never store batteries where they will be exposed to direct sunlight, or subjected to high temperatures in a hot vehicle, near a heat source, etc.
- To prevent causing battery leaks or damaging their terminals, carefully follow all instructions regarding the use of batteries. Never attempt to disassemble a battery or modify it in any way, by soldering, etc.
- If battery fluid gets into your eyes, flush your eyes immediately with clear, cold running water and seek medical attention immediately.
- Always store batteries out of the reach of small children. If a child accidentally swallows a battery, seek medical attention immediately.

⚠ WARNING

- Keep batteries dry at all times. Never allow them to come into contact with fresh or salt water.
- To prevent batteries from leaking, overheating, or causing a fire or explosion, use only batteries recommended for use with this product.
- Insert the battery carefully as described in the operating instructions. Never load the battery with its +/– terminals reversed. Never force the battery into the battery compartment.
- If the rechargeable battery has not been recharged within the specified time, stop charging it and do not use it.
- Do not use a battery if it is cracked or broken.
- If a battery leaks, becomes discolored or deformed, or becomes abnormal in any other way during operation, stop using the camera and consult your dealer or an authorized Olympus service center. Continued use may result in fire or electric shock.
- If a battery leaks fluid onto your clothing or skin, remove the clothing and flush the affected area with clean, running cold water immediately. If the fluid burns your skin, seek medical attention immediately.
- Never attempt to modify the battery compartment on the camera, never insert anything (other than the recommended battery) into the battery compartment.
- Never subject batteries to strong shocks or continuous vibration.

⚠ CAUTION

- Before loading, always inspect the battery carefully for leaks, discoloration, warping, or any other abnormality.

- Olympus lithium ion batteries are intended for use only with Olympus digital cameras. To find out whether your camera can be used with these batteries, read your camera's manual.
- Always charge lithium ion batteries when using them for the first time, or if they have not been used for a long period.
- The battery may become hot during prolonged use. To avoid minor burns, do not remove it immediately after using the camera.
- When operating the camera with battery power at low temperatures, try to keep the camera and spare batteries as warm as possible. Batteries which run down at low temperatures may be restored after they are warmed at room temperature.
- Always unload the battery from the camera before storing the camera for a long period.
- Before using a rechargeable battery, be sure to read the instructions.
- The number of pictures you can take may vary depending on the shooting conditions or battery.
- Before going on a long trip, and especially before traveling abroad, purchase an ample supply of extra batteries. A recommended battery may be difficult to obtain while traveling.

Card handling precautions

- The card is a precision electronic device. Do not bend it or subject it to impact and keep it away from static electricity. The data stored on the card is saved in a nonvolatile semiconductor memory, but it can be accidentally destroyed.
- Do not expose the card to water or leave it where there is a lot of dust.
- Avoid using or storing the card in places of high temperature and high humidity.
- Avoid using near heat-generating or combustible materials.
- Fingerprints or dirt on the card contacts may prevent correct reading/writing of data. Wipe the contacts gently with a soft dry cloth.
- **The card is a consumable item. After long use, writing to the card and erasing of data no longer becomes possible. When this happens, replace it with a new card.**
- **Olympus is not responsible for any damage to data saved in other media or loss of data stored on the card.**

⚠ Caution for usage environment

- To protect the high-precision technology contained in this product, never leave the camera in the places listed below, no matter if in use or storage:
  - Places where temperatures and/or humidity are high or go through extreme changes. Direct sunlight, beaches, locked cars, or near other heat sources (stove, radiator, etc.) or humidifiers.
  - In sandy or dusty environments.
  - Near flammable items or explosives.
  - In wet places, such as bathrooms or in the rain. When using products with weatherproof designs, read their manuals as well.
  - In places prone to strong vibrations.
- Never drop the camera or subject it to severe shocks or vibrations.
- When mounted on a tripod, adjust the position of the camera with the tripod head. Do not twist the camera.
- Do not touch electric contacts on the camera.

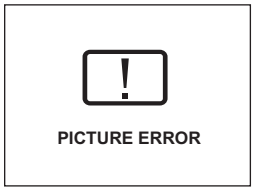
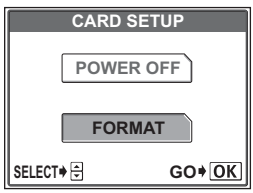
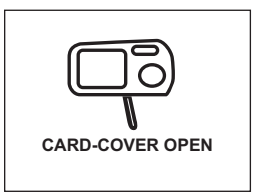
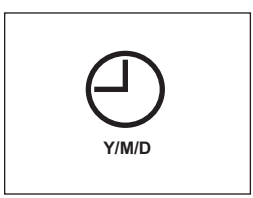
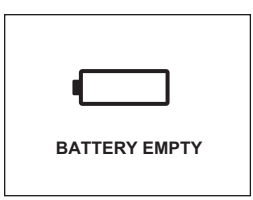
- Do not leave the camera pointed directly at the sun. This may cause lens or shutter curtain damage, color failure, ghosting on the CCD, or may possibly cause fires.
- Do not push or pull severely on the lens.
- Before storing the camera for a long period, remove the battery. Select a cool, dry location for storage to prevent condensation or mold from forming inside the camera. After storage, test the camera by turning it on and pressing the shutter release button to make sure that it is operating normally.
- Always observe the operating environment restrictions described in the camera's manual.

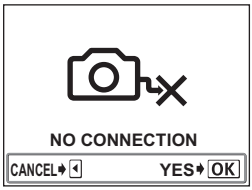
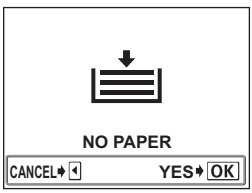
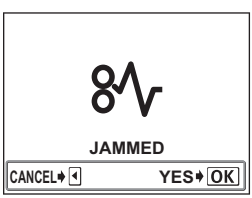
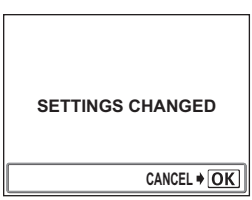
LCD monitor

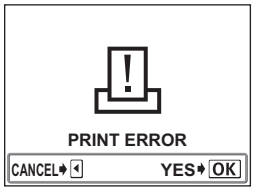
- Do not push the monitor forcibly; otherwise the image may become vague, resulting in a Display mode failure or damage to the monitor.
- A strip of light may appear on the top/bottom of the monitor, but this is not a malfunction.
- When a subject is viewed diagonally in the camera, the edges may appear zigzagged on the monitor. This is not a malfunction; It will be less noticeable in Display mode.
- In places subject to low temperatures, the LCD monitor may take a long time to turn on or its color may change temporarily. When using the camera in extremely cold places, it is a good idea to occasionally place it in a warm place. An LCD monitor exhibiting poor performance due to low temperatures will recover in normal temperatures.
- The LCD used for the monitor is made with high-precision technology. However, black spots or bright spots of light may appear constantly on the LCD Monitor. Due to its characteristics or the angle at which you are viewing the monitor, the spot may not be uniform in color and brightness. This is not a malfunction.

Error messages

Monitor indication	Corrective action
NO CARD	Insert a card, or remove the card once and reinsert it correctly. ☞ See the Basic manual provided. Wipe the gold contacts with a commercially available cleaning paper and insert the card again. If the problem persists, format the card. If the card cannot be formatted, use another card.
CARD ERROR	There is a problem with the card and it cannot be used. If the card cannot be formatted, use another card. Insert a new card.
WRITE-PROTECT	Read-only has been set using a computer. Use the computer again to cancel the read-only setting. If this indication does not disappear, save the pictures on the card to the computer and format the card with the camera.
CARD FULL	Replace the card or erase unwanted pictures. Before erasing, transfer all important pictures to a computer.
NO PICTURE	The card contains no pictures. Record pictures before playing back.

Monitor indication	Corrective action
	Use image editing software such as the OLYMPUS Master software provided to view the pictures on a computer. If that cannot be done, the image file is damaged.
	Format the card. ☞ (P. 97)
	Close the battery compartment/card cover. ☞ See the Basic manual provided.
	Set the date/time. ☞ (P. 78)
	Charge the battery.

Monitor indication	Corrective action
	The camera is not connected to the printer or computer correctly. Disconnect the camera and connect it again correctly.
	There is no paper in the printer. Load some paper in the printer.
	The printer has run out of ink. Replace the ink cartridge in the printer.
	The paper is jammed in the printer. Remove the jammed paper.
	The printer's paper tray has been removed or a similar action has been taken. Do not operate the printer while configuring the printer settings.

Monitor indication	Corrective action
	There is a problem with the printer and/or camera. Turn off the camera and printer, check the printer, and then turn on both devices.

Possible cause	Corrective action	Ref. page
The camera does not respond or the monitor does not turn on		
❶ The power is off.	❶ Turn the camera on.	*1
❷ The battery is exhausted.	❷ Charge the battery.	*1
❸ The battery is temporarily unable to function because of the cold.	❸ Warm the battery by putting it in your pocket for a while.	–
❹ There is condensation inside the camera.	❹ Turn the camera off and wait until it dries before turning it on again.	–
❺ The camera turned off automatically in the shooting mode.	❺ To save battery power, the camera automatically enters the sleep mode after about 3 minutes of no activity. Press any button such as the zoom button.	*1
❻ The camera turned off automatically in the playback mode.	❻ To save battery power, the camera automatically enters the sleep mode. Turn the camera on again.	*1
❼ The camera is connected to a computer.	❼ The camera will not operate while it is connected to a computer.	–
The camera does not work properly		
❶ You used a card that had been formatted on a computer.	❶ This may damage the card or the pictures files on the card. It may also make the recording time exceptionally long or prevent playback. Format the card with the camera.	P. 97
No picture is taken when the shutter button is pressed		
❶ The card is full.	❶ Erase unwanted pictures or insert a new card. Before erasing, transfer all important pictures to a computer.	*1 P. 72, 73, P. 142
❷ The flash is charging.	❷ Wait until the flash charging lamp stops blinking.	P. 165
❸ The picture is being written to the card.	❸ Wait until the card access mark stops blinking.	P. 165
❹ The memory gauge is full.	❹ Wait until there is room in the memory gauge.	*1

*1 See the separate Basic manual provided.

Possible cause	Corrective action	Ref. page
The flash does not fire		
❶ The flash is set to [⊗].	❶ Select a flash mode other than [⊗].	P. 21
❷ The subject is brightly illuminated.	❷ If you want the flash to fire on a brightly illuminated subject, set the flash to [ϟ].	P. 21
The picture cannot be played back		
❶ The power is off.	❶ Turn the camera ON.	*1
❷ The camera is in the shooting mode.	❷ Press the playback button.	*1
❸ No pictures have been taken.	❸ Record pictures before playing back.	*1
❹ The picture information (file name, etc.) was changed on a computer.	❹ To avoid camera malfunction, do not change the information on the card with a computer.	–
The date recorded in the picture data is wrong		
❶ The date/time is not set.	❶ Set the date/time. The date and time are not set at the time of purchase.	P. 78
❷ The camera has been left with the battery removed for about one day.	❷ Set the date and time again.	P. 78
❸ The camera detected a problem in the power supply from the battery/AC adapter during operation.	❸ The camera may stop working if the power fails during operation. When normal operation is restored, all the camera settings may be reset. Set the date and time again.	P. 78
The settings are reset to the factory default settings when the camera is turned off		
❶ The camera was turned off without saving the settings.	❶ Set [ALL RESET] to [OFF].	P. 80
The monitor is hard to see		
❶ The brightness is not adjusted properly.	❶ Adjust the monitor brightness.	P. 99
❷ The monitor is exposed to direct sunlight.	❷ Block the sunlight with your hand.	–

*1 See the separate Basic manual provided.

Possible cause	Corrective action	Ref. page
The picture is out of focus		
❶ The camera moved when the shutter button was pressed.	❶ Hold the camera correctly. Press the shutter button gently. When you take a picture with [⚡] or [🌙] (NIGHT SCENE) in a dark situation, use a tripod or hold the camera firmly.	*1 P. 21, 12
❷ The subject is too close.	❷ Use the macro or super macro mode.	P. 33, 34
❸ In self-timer mode, you were standing in front of the camera lens when you pressed the shutter button.	❸ If you press the shutter button when you are standing in front of the camera lens, the camera will focus on you. Press the shutter button while looking at the monitor.	–
❹ The green lamp on the monitor blinked when the shutter button was pressed halfway.	❹ Wait until the green lamp lights before pressing the shutter button fully.	P. 165, *1
❺ You did not use focus lock when the subject was outside the center of the frame.	❺ Use focus lock to obtain an accurate focus.	P. 10
❻ The lens was dirty (there was water on it, etc.).	❻ Wipe the lens. Use a commercially available blower brush and then wipe with a lens cleaning paper to remove dust. If the lens is left dirty or wet, mold may form.	–
The picture has obscured edge(s)		
❶ The lens was partly blocked by your finger or the strap.	❶ Hold the camera correctly.	*1
❷ The subject was too close.	❷ Check the actual picture area by using the monitor to take the picture.	*1
The picture is too bright		
❶ The flash was set to [⚡].	❶ Set a flash mode other than [⚡].	P. 21
❷ The center of the subject is too dark.	❷ Adjust the exposure compensation toward minus (–).	P. 30

*1 See the separate Basic manual provided.

Possible cause	Corrective action	Ref. page
The picture is too dark		
❶ The flash was blocked by your finger.	❶ Hold the camera correctly.	*1
❷ The subject was out of the working range of the flash.	❷ Shoot within the flash working range.	P. 22
❸ The flash was set to [⊗].	❸ Select a flash mode other than [⊗].	P. 21
❹ The picture was taken against the light.	❹ Set the flash to [ϟ], or use the spot metering mode.	P. 21 P. 31
❺ You took a picture of a bright subject such as a snow-covered landscape.	❺ You can take a beautiful picture in this situation by setting the shooting scene mode to [🏖] (BEACH & SNOW).	P. 12
The colors of pictures taken indoors look unnatural		
❶ Indoor lighting can affect the picture's colors.	❶ Adjust the white balance to suit the lighting.	P. 28
❷ There was no white in the subject.	❷ Include something white in the picture, or shoot using [ϟ].	P. 21
❸ The white balance setting is wrong.	❸ Adjust the white balance according to the light source.	P. 28
The printer fails to connect		
❶ [PC] was selected on the monitor after connecting to the printer with the USB cable.	❶ Remove the USB cable, and start again from step 1.	P. 113
❷ The printer does not support PictBridge.	❷ Refer to the printer's instruction manual or contact the printer manufacturer.	–
The camera is not recognized by the computer		
❶ The USB driver has not been installed.	❶ It is necessary to install the USB driver for Windows 98/98SE. Install the driver.	P. 132, P. 149

*1 See the Basic manual provided.

Lamps, indicator, and mark

The green lamp, flash stand-by/flash charging lamp, battery check indicator and card access mark, which are displayed on the monitor, indicate the following depending on whether they are on, off or blinking.

Lamp, indicator or mark	Camera status	Possible/ Impossible actions
Green lamp lights	The subject is in focus (when the shutter button is pressed halfway).	Pictures can be taken.
Green lamp blinks	The subject is not in focus (when the shutter button is pressed halfway).	Pictures can be taken, but may be out of focus.
Flash stand-by/ flash charging lamp (⚡) blinks	The flash is charging.	No pictures can be taken. If you want the flash to fire, wait until the indicator stops blinking.
	Camera movement warning or inappropriate exposure warning (when the shutter button is pressed halfway).	Pictures can be taken, but may come out blurred or dark. Hold the camera firmly or set the flash mode to [⚡].
Battery check indicator (▭) lights	The battery is running low.	Charge the battery or replace with a charged battery.
Card access mark (⊡) blinks	The picture or movie is being written to the card or processed.	Do not open the battery compartment/card cover, or do not connect or disconnect the battery or the AC adapter. The pictures taken cannot be stored or even the stored picture data may be lost.

Camera maintenance

● Cleaning the camera

Exterior

- Wipe gently with a soft cloth. If the camera is very dirty, soak the cloth in mild soapy water and wring well. Wipe the camera with the damp cloth and then dry it with a dry cloth. If you used the camera at the beach, clean it with a cloth that has been soaked in clean water and well wrung.

Lens

- Blow dust off the lens with a commercially available hand blower. Apply a small amount of lens cleaning solution to some lens cleaning paper and gently wipe the lens.

Monitor

- Wipe gently with a soft cloth.

Card, battery and charger

- Wipe gently with a dry cloth.

Caution

- Do not use strong solvents such as benzene or alcohol, or chemically treated cloths.
- Cleaning should be done only after the battery has been removed and the AC adapter has been disconnected.
- Mold may form on the lens surface if the lens is left dirty or wet.

● Storing the camera

- If you do not intend to use the camera for a long time, remove the battery and card and store the camera in a cool, dry, well-ventilated place.
- You are recommended to occasionally load the battery and operate the camera to keep it in working order.

● Condensation inside the camera

What is condensation?

- When it is cold outside, the water vapor in the air is rapidly cooled and turns to droplets of water. Condensation occurs when the camera is suddenly taken from the cold air into a warm room.

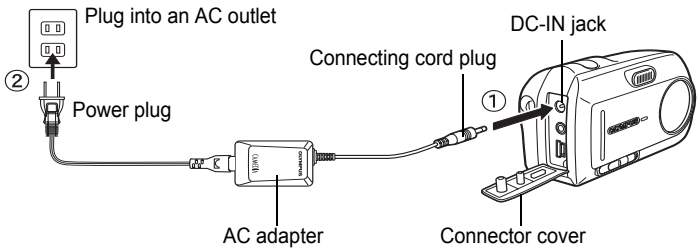
To prevent condensation

- When taking the camera suddenly from a cold to a warm place, place it in a plastic bag and make the bag as airtight as possible. Leave the camera for approximately one hour until the camera adjusts to the temperature difference.

AC adapter (sold separately)

In addition to the lithium ion battery provided with the camera, you can also use the specified AC adapter (sold separately). An AC adapter is useful for time-consuming tasks such as picture downloads.

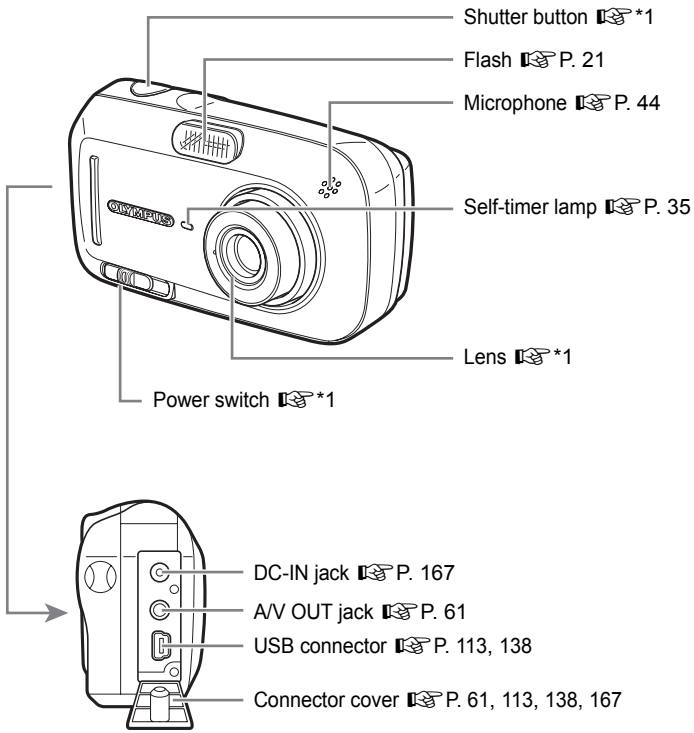
Use only the specified AC adapter (sold separately), and connect in the sequence as shown below.



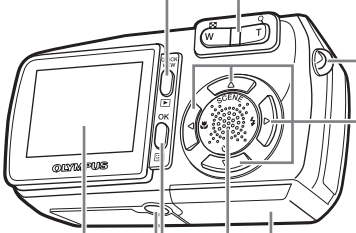
Caution

- To disconnect the AC adapter, disconnect in the reverse sequence of above.
- Before connecting or disconnecting the AC adapter, be sure to turn off the camera. Otherwise, the camera's internal settings or functions could be affected.
- If you connect the AC adapter with the battery still in the camera, the camera will be powered from the AC adapter. The AC adapter does not charge the battery in the camera at this time.
- The AC adapter can be used within the range of AC100V to AC240V (50/60Hz). When using the AC adapter abroad, you may need a plug adapter to convert the plug to the shape of the electrical outlet. For details, ask at your local electrical shop or travel agent.
- Do not use voltage converters sold in stores traveling overseas as this could damage your AC adapter.

Names of parts



*1 See the separate Basic manual provided.



Playback (QUICK VIEW) button ☞*1

Zoom button
☞P. 18, 46, 49

Strap eyelet ☞*1

Battery compartment/card cover
☞*1

Speaker

OK/MENU button ☞P. 4

Tripod socket

Monitor ☞*1, P. 170

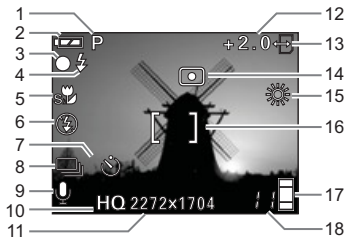
Arrow pads

The Arrow pads can be used to set the macro mode, flash mode, and other settings. They can also be used as directional keys.
☞"Menu operations" P. 4

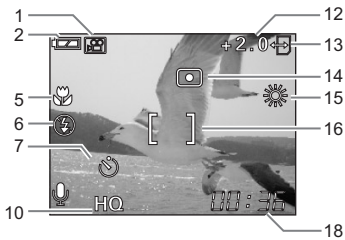
*1 See the separate Basic manual provided.

Monitor Display List

Shooting mode



Still picture

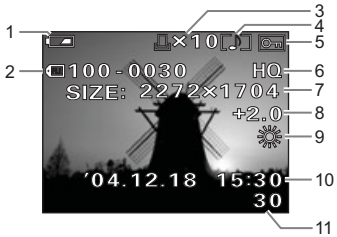


Movie

	Item	Indications	Ref. page
1	Shooting modes	P, , , , , , , ,	P. 12
2	Battery check	,	*1
3	Green lamp	○	P. 165
4	Flash stand-by Camera movement warning Flash charging	(Light) (Blinks)	P. 22, 165
5	Macro mode Super macro mode	 	P. 33, 34
6	Flash mode	, ,	P. 21
7	Self-timer		P. 35
8	Drive	,	P. 36
9	Sound record		P. 43
10	Record mode	SHQ, HQ, SQ1, SQ2, SQ	P. 23
11	Resolution	2272 × 1704, 2048 × 1536, 1600 × 1200, 1280 × 960, 1024 × 768, 640 × 480	P. 23
12	Exposure compensation	–2.0 – +2.0	P. 30
13	Card access mark		*1
14	Spot metering		P. 31
15	White balance	, , ,	P. 28
16	AF target mark	[ ]	*1
17	Memory gauge		*1
18	Number of shootable still pictures Time remaining	11 00:36	*1, P. 16

*1 See the separate Basic manual provided.

Playback mode



Still picture

Movie

	Item	Indications	Ref. page
1	Battery check	,	*1
2	File number	100 - 0030	P. 94
3	Print reservation, Number of prints Movie	× 10	P. 105, P. 56
4	Sound record		P. 54
5	Protect		P. 70
6	Record mode	SHQ, HQ, SQ1, SQ2, SQ	P. 23
7	Resolution	2272 × 1704, 2048 × 1536, 1600 × 1200, 1280 × 960, 1024 × 768, 640 × 480, 320 × 240, 160 × 120	P. 23
8	Exposure compensation	–2.0 – +2.0	P. 30
9	White balance	, , ,	P. 28
10	Date and time	'04.12.18 15:30	P. 78
11	Frame number Playing time/Total recording time	30 00:00/01:45	– P. 56

*1 See the separate Basic manual provided.

Caution

- For movies, the display contents for the selected picture and for the movie playback differ.

Menu List

The shooting mode and playback mode menus for still pictures and movies are shown separately below.

● Shooting mode menu (Still picture)

Top menu ▸	Tab ▸	Function ▸	Setting ▸	Ref. page
MODE MENU	CAMERA	ESP/ ⊙	ESP /⊙	P. 31
		DRIVE	□ /⧉	P. 36
		DIGITAL ZOOM	OFF /ON	P. 19
		🎙	OFF /ON	P. 43
		PANORAMA		P. 38
		2 IN 1		P. 41
	CARD	FORMAT	YES/NO	P. 97
	SETUP	ALL RESET	OFF/ ON	P. 80
		🗣☰*		P. 76
		PW ON SETUP	SCREEN: OFF/ 1 /2 VOLUME: OFF/ LOW /HIGH	P. 90
		COLOR	NORMAL /BLUE/ GREEN/PINK	P. 92
		■))	OFF/ LOW /HIGH	P. 84
		SHUTTER SOUND	OFF/ 1 /2/3	P. 86
			LOW /HIGH	
		REC VIEW	OFF/ ON	P. 82
		FILE NAME	RESET /AUTO	P. 94
		PIXEL MAPPING		P. 101
				P. 99
				P. 78
		VIDEO OUT*	NTSC/PAL	P. 60
			SHQ/ HQ /SQ1/SQ2	P. 23
			–2.0 - 0.0 - +2.0	P. 30
			AUTO /☼/☁/☼/▤	P. 28

is the setting when shipped from the factory (default setting).

* Setting differs according to the region where the camera is sold.

● Shooting mode menus (Movie)

Top menu ▸	Tab ▸	Function ▸	Setting ▸	Ref. page
MODE MENU	CAMERA	ESP/ ⊙	ESP /⊙	P. 31
		DIGITAL ZOOM	OFF /ON	P. 19
	CARD	FORMAT	YES/ NO	P. 97
	SETUP	ALL RESET	OFF/ ON	P. 80
		🗣*		P. 76
		PW ON SETUP	SCREEN: OFF/ 1 /2 VOLUME: OFF/ LOW /HIGH	P. 90
		COLOR	NORMAL /BLUE/ GREEN/PINK	P. 92
		■))	OFF/ LOW /HIGH	P. 84
		FILE NAME	RESET /AUTO	P. 94
		PIXEL MAPPING		P. 101
				P. 99
				P. 78
		VIDEO OUT*	NTSC/PAL	P. 60
			HQ /SQ	P. 26
			–2.0 - 0.0 - +2.0	P. 30
			AUTO /☀/☁/☀/≋	P. 28

NORMAL is the setting when shipped from the factory (default setting).
* Setting differs according to the region where the camera is sold.

● Playback mode menus (Still picture)

Top menu ▸	Tab ▸	Function ▸	Setting ▸	Ref. page
MODE MENU	PLAY		OFF /ON	P. 70
			+90°/ 0° /–90°	P. 50
			/	P. 105
				P. 54
	EDIT	BLACK & WHITE	BLACK & WHITE / CANCEL	P. 64
		SEPIA	SEPIA /CANCEL	P. 66
			640 × 480/320 × 240/ CANCEL	P. 68
	CARD	ALL ERASE	YES/ NO	P. 73
		FORMAT	YES/ NO	P. 97
	SETUP	ALL RESET	OFF/ ON	P. 80
		*		P. 76
		PW ON SETUP	SCREEN: OFF/ 1 /2 VOLUME: OFF/ LOW /HIGH	P. 90
		COLOR	NORMAL /BLUE/ GREEN/PINK	P. 92
		VOLUME	OFF/ LOW /HIGH	P. 88
			OFF/ LOW /HIGH	P. 84
				P. 99
				P. 78
		VIDEO OUT*	NTSC/PAL	P. 60
			4/ 9 /16	P. 47
				P. 53
INFO				P. 63
ERASE			YES/ NO	P. 72

is the setting when shipped from the factory (default setting).
* Setting differs according to the region where the camera is sold.

● Playback mode menus (Movie)

Top menu ▸	Tab ▸	Function ▸	Setting ▸	Ref. page
MODE MENU	PLAY		OFF /ON	P. 70
	EDIT	INDEX	INDEX /OFF	P. 58
	CARD	ALL ERASE	YES/ NO	P. 73
		FORMAT	YES/ NO	P. 97
	SETUP	ALL RESET	OFF/ ON	P. 80
		*		P. 76
		PW ON SETUP	SCREEN: OFF/ 1 /2 VOLUME: OFF/ LOW /HIGH	P. 90
		COLOR	NORMAL /BLUE/ GREEN/PINK	P. 92
		VOLUME	OFF/ LOW /HIGH	P. 88
			OFF/ LOW /HIGH	P. 84
				P. 99
				P. 78
		VIDEO OUT*	NTSC/PAL	P. 60
			4/ 9 /16	P. 47
MOVIE PLAYBACK				P. 56
INFO				P. 63
ERASE			YES/NO	P. 72

is the setting when shipped from the factory (default setting).
* Setting differs according to the region where the camera is sold.

List of functions by shooting mode

Some settings may not be available depending on the shooting mode. For details, refer to the table below.

Function \ Shooting scene mode	P				
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
QUICK VIEW	✓	✓	✓	✓	✓
Optical zoom	✓	✓	✓	✓	✓
	✓	✓	*1	✓	✓
	✓	✓	✓	✓	✓
WB	✓	✓	✓	✓	✓
ESP/	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
DIGITAL ZOOM	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
PANORAMA	✓	✓	✓	✓	✓
2 IN 1	✓	✓	✓	✓	✓
FORMAT	✓	✓	✓	✓	✓
ALL RESET	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
PW ON SETUP	✓	✓	✓	✓	✓
COLOR	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
SHUTTER SOUND	✓	✓	✓	✓	✓
REC VIEW	✓	✓	✓	✓	✓
FILE NAME	✓	✓	✓	✓	✓
PIXEL MAPPING	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
VIDEO OUT	✓	✓	✓	✓	✓

*1 Only [1280 × 960] [1024 × 768] and [640 × 480] for SQ2 are selectable.

Function \ Shooting scene mode					
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	–
	✓	✓	✓	✓	✓
QUICK VIEW	✓	✓	✓	✓	✓
Optical zoom	✓	✓	✓	Fixed at wide angle	*2
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
WB	✓	✓	✓	✓	✓
ESP/	✓	✓	✓	ESP	✓
	✓	✓	–	✓	–
DIGITAL ZOOM	✓	✓	✓	–	✓
	✓	✓	✓	✓	–
	–	–	–	–	✓
PANORAMA	✓	✓	✓	–	–
2 IN 1	✓	✓	✓	✓	–
FORMAT	✓	✓	✓	✓	✓
ALL RESET	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
PW ON SETUP	✓	✓	✓	✓	✓
COLOR	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
SHUTTER SOUND	✓	✓	✓	✓	–
REC VIEW	✓	✓	✓	✓	–
FILE NAME	✓	✓	✓	✓	✓
PIXEL MAPPING	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
VIDEO OUT	✓	✓	✓	✓	✓

*2 Available only before you start recording.

Camera specifications

Product type : Digital camera (for shooting and displaying)

Recording system

Still picture : Digital recording, JPEG (in accordance with Design rule for Camera File system (DCF))

Compatible standards : Exif 2.2, DPOF, PRINT Image Matching II, PictBridge.

Sound with still picture : Wave format

Movie : QuickTime Motion JPEG support

Memory : xD-Picture Card (16 MB to 512 MB)

Number of storable pictures (when a 16 MB card is used) : Still picture

Record mode	Resolution	No. of storable pictures
SHQ	2272 × 1704	Approx. 5 frames
HQ		Approx. 16 frames
SQ1	2048 × 1536	Approx. 20 frames
SQ2	1600 × 1200	Approx. 24 frames
	1280 × 960	Approx. 38 frames
	1024 × 768	Approx. 58 frames
	640 × 480	Approx. 90 frames

Movie

Record mode	Resolution	Recording time
HQ	320 × 240 (15 frames/sec.)	Approx. 41 sec
SQ	160 × 120 (15 frames/sec.)	Approx. 150 sec

The number of storable pictures when a new battery is used (fully charged) : Approx. 150 frames (based on CIPA battery life measurement standards)

Number of effective pixels : 4,000,000 pixels

Image pickup device : 1/2.5" CCD (primary color filter)

Lens : Olympus lens 5.8 mm to 17.4 mm (equivalent to 35 mm to 105 mm lens on a 35 mm film camera), f3.1 to f5.2

Photometric system : iESP, spot metering

Shutter speed : 1/2 to 1/1000 sec. (max. 4 sec. in Night scene mode)

Shooting distance : 0.5 m (1.6 ft.) to ∞ (normal),
0.2 m (0.7 ft.) to ∞ (macro mode)
0.09 m (3.5") to 0.5 m (super macro mode)

Monitor	:	1.8" TFT color LCD display, 134,000 pixels
Flash charging time	:	Approx. 6 seconds (A fully charged new battery is used, and the charging time is measured in the normal temperature after a full flashing.)
Outer connector	:	DC-IN jack, USB connector (mini-B), A/V OUT jack
Automatic calendar system	:	Automatic adjustment in range of 2000 to 2099
Operating environment Temperature	:	0 to 40°C (32 to 104°F) (operation) / –20 to 60°C (–4 to 140°F) (storage)
Humidity	:	30 to 90% (operation) / 10 to 90% (storage)
Power supply	:	Specified lithium ion rechargeable battery or AC adapter
Dimensions	:	99.5 × 58 × 35.5 mm (3.9" × 2.3" × 1.4") (excluding protrusions)
Weight	:	160 g (0.35 lb.) (without battery and card)

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE OR OBLIGATION ON THE PART OF THE MANUFACTURER.

Specifications of accessories

xD-Picture Card

Product type:	:	xD-Picture Card for digital cameras
Memory type:	:	NAND flash EEP-ROM
Memory capacity:	:	16 MB
Operating voltage:	:	3V (3.3V)
Ambient temperature:	:	0 to 55°C (32 to 131°F) (operation) / –20 to 65°C (–4 to 149°F) (storage)
Ambient humidity:	:	Less than 95% (operation and storage)
Dimensions:	:	Approx. 20 × 25 × 1.7 mm (0.8" × 1.0" × 0.07")

Battery Charger (LI-10C)

Rated input:	:	AC100 to 240V (50/60Hz) 9VA (100V) to 10VA (240V)
Rated output:	:	DC 4.2V, 860mA
Charging time	:	Approx. 120 min.
Ambient temperature:	:	0 to 40°C (32 to 104°F) (operation) / –20 to 60°C (–4 to 140°F) (storage)
Dimensions:	:	46 × 37.5 × 86 mm (1.8" × 1.5" × 3.4")
Weight:	:	Approx. 75g (2.6 oz.)

Lithium ion rechargeable battery (LI-12B)

Product type:	:	Rechargeable lithium ion battery
Nominal voltage:	:	DC 3.7V
Nominal capacity:	:	1230 mAh
Number of chargings:	:	Approx. 300 (Varies according to conditions of use.)
Ambient temperature:	:	0 to 40°C (32 to 104°F) (charging) / –10 to 60°C (14 to 140°F) (operation) / 0 to 30°C (32 to 86°F) (storage)
Dimensions:	:	31.9 × 45.8 × 10 mm (1.3" × 1.8" × 0.4")
Weight:	:	Approx. 36g (1.2 oz.)

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